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MOUNT ALLISON UNIVERSITY

INFORMATION TRANSFER PROGRAMME

FINAL REPORT

DECEMBER 22, 1989

Prepared by

Diane N. Buhay
Information Transfer Coordinator

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INTRODUCTION

The Information Transfer Programme at Mount Allison University was initiated with the submission of an application, on the 25th of March 1988, for assistance under the Canada/New Brunswick Subsidiary Agreement on Industrial Innovation and Technology Development. The application was approved and accepted on the 29th of July 1988.

The major objective of the programme is the promotion of economic development in the region. It has long been acknowledged that the transfer and use of scientific and technological information is an important component in economic development. To achieve the major objective the programme will strengthen the links between the resources of existing and emerging information networks the resources Mount Allison University makes available to the network, and the scientific and technological information needs of entrepreneurs, innovators, and researchers, whether local or served elsewhere in the network.

Within this overall objective, the Developmental Phase (Phase I - a 12 month period) is specifically aimed at:

1. Identifying the users to be served by the programme and assessing their information requirements.
2. Identifying information resources and technology available to facilitate the dissemination of information.
3. Establishing links with other resource centres in the information network.
4. Promoting awareness of the information service.

5. Collecting data on demand for the information service and its various services.

These objectives are being addressed through the operation of the Science and Technology Information Service (STIS), with the office located in the Ralph Pickard Bell Library at Mount Allison University. The Information Service is a distinct service that locates and supplies information efficiently and effectively for clients primarily in the southeastern portion of New Brunswick. STIS represents one of several external fee-based information services based in academic institutions (e.g. IBIS at the University of Waterloo, WSS at the Warwick University Library). This service is based around a collection of more than 317,000 books, a journal collection of 2,000 current titles, government publications, a patent technology search service and computerized information searching of hundred's of databases. During Phase II, which would start at the beginning of the second year the programme is to be fully operational.

The Information Transfer Coordinator began work on January 3, 1989 and active promotion of the programme began shortly after this.

IMPLEMENTATION

A fair amount of preparatory work was required in the initial stages of the programme. The responsibilities of the Information Transfer Coordinator for the programme were determined, then job postings were developed and advertised in the Sackville Tribune, the Moncton Times-Transcript, the Saint John Telegraph-Journal, the Halifax Chronicle-Herald, and the Atlantic Provinces Library Association APLA Bulletin. Advertisements were also sent by electronic mail to Canadian Library and Information Science schools and to libraries of the member institutions of the Association of Atlantic Universities. Interviews were conducted and an Information Transfer Coordinator was hired. Dr. Buhay began work on January 3, 1989.

Suppliers for equipment were contacted for estimates. Equipment (Appendix A) was ordered and installed. Telephone lines were installed for the modem, fax and telephone. Furniture to house the equipment was designed and built.

To facilitate promotion of the project the acronym STIS (Science and Technology Information Service) was established. Electronic mail addresses, and Dialog, STN and CAN/OLE accounts were arranged. Project worksheets, questionnaires, promotional letters, information sheets and business cards were designed (Appendix B). Charges for services were determined. Policies and procedures were put in place.

A target client list was compiled using sources such as telephone directories, business directories (printed and online), Atlantic Canada periodicals, local newspapers, Atlantic Canada Opportunities Agency (ACOA), and by word of mouth. Contact was maintained with the Information Transfer Office at UNB to avoid duplication.

PROMOTION/MARKETING

Promotion and marketing of the information service was considered an essential element of the programme. Once the promotional literature had been produced and the target client list prepared the next step was to make contact with these companies.

Questionnaires along with information packages describing the service were distributed to target clients through a direct mailing campaign. Two major mailings were conducted with irregular mailings being conducted as new clients were discovered. The data which was collected described the area of science and technology in which they had information needs, how often they had use for such an information service, and which services they would use.

In order to enhance the visibility of the STIS Office, letters describing the information service were mailed to librarians across the province in the hope that entrepreneurs, innovators and researchers would be directed toward the appropriate Information Transfer Office, whether it be in Sackville, Fredericton or any future site.

In addition to the news release that was distributed to the provincial news media, information regarding the STIS Office and its services was sent to the following publications for printing:

- University Affairs;
- Atlantic Science;
- Atlantic Provinces Library Association Bulletin;
- The Record (Mount Allison University alumni publication);
- Campus Notebook (Mount Allison University publication); and
- Innovative Times (Appendix C).

Feature stories were also printed in the Moncton Times-Transcript and the Sackville Tribune-Post (Appendix D). The Federal Business Development Bank (FBDB) included a description of the STIS Office in their database (AIM).

A newsletter, STIS Update, was created in order that clients be kept informed of upcoming events and new services offered by the STIS Office (Appendix E). This newsletter was distributed to clients in paper format and was also available as a subset of the Manufacturing Technology Centre's database. Five issues were published and distributed.

An agreement was reached between the STIS Office and the Intellectual Property Directorate of the Department of Consumer and Corporate Affairs. The STIS Office is one of three New Brunswick intermediaries which acts between organizations such as small and medium-sized businesses, research institutes, industry associations and the Intellectual Property Directorate. The service enables the client to:

- a) identify the latest developments in a specific technology (state-of-the-art);
- b) minimize duplication of research and development on technology already patented; and,
- c) identify technology leading to possible solutions for a technical problem.

Another promotional method involved the distribution of STIS information packages to participants at the following conferences:

Atlantic Geoscience Society's Colloquium on Current Research
in the Atlantic Provinces; Amherst, NS; February 3-4, 1989
Aquaculture Conference; Saint John, NB; February 22-24, 1989

Manufacturing Technology Centre's AutoCad Workshop; Sackville,
NB; June 19-20, 1989

Aquaculture Fair; St. Andrews, NB; June 22-24, 1989

Participation in the Global Climatic Change workshop held in Saint John included a demonstration of information retrieval of science and environment databases (online and CD-ROM). (Saunders, K. et al. (in press) "EdGeo - Teaching geology and global climatic change in the classroom." Geoscience Canada.)

A directory of New Brunswick researchers (Buhay, D.N. Directory of New Brunswick Researchers in Science and Technology. Sackville, NB: Information Transfer Office, 1989.) was published and distributed to those organizations which participated. Other strategic distribution points were the Atlantic Provinces Chamber of Commerce and Innovation Centre New Brunswick. This publication will serve as a timely record of the names, addresses, and professional interests of New Brunswick researchers. Entrepreneurs, innovators and researchers can use this directory as a primary information resource.

DATA COLLECTION AND ANALYSIS

As described above, questionnaires were distributed to target clients through a direct mail campaign. Follow-up questionnaires were sent if a response was not received within 6-8 weeks. We hoped that this would increase our response rate. Of the approximately 300 companies that were surveyed sixty-eight questionnaires were returned. Of the 68 companies that responded nine of them replied that they had no need for this type of information service, while 59 companies responded positively toward the information service. The following table (Table 1.) illustrates the type of services in which these companies were interested.

Table 1.

<u>Service</u>	<u>No. of Clients</u>
Computerized information searches	43
Quick reference data	28
Loans from Mount Allison University Library	23
Interlibrary loans	21
Assistance in establishing an information centre	7
Rapid document delivery	25

Of those that responded most expressed an interest in the fields of engineering, health science, fisheries and aquaculture, mining and the architecture and construction industry.

The following table (Table 2.) illustrates the frequency which these companies anticipated their need would be for this type information service.

Table 2.

<u>Frequency</u>	<u>No. of Clients</u>
Frequently	3
Sometimes	50
Rarely	6

Approximately 60 companies indicated that they would use our information services. The frequency of use would be expected to follow stages of Research and Development activities.

The past 12 months have resulted in the following services to private industry (Table 3).

Table 3.

<u>Service</u>	<u>Number</u>
Online database searches	8
CD-ROM database searches	36
Loans	16
Reference queries	21

Out of the 59 companies approximately 25% used services offered by STIS in its developmental phase. In order to increase this percentage promotion should continue with direct mail campaigns, directory listings, free publicity (press releases, etc.) and attendance at conferences, exhibitions and workshops.

SUMMARY

Phase I of the programme was successful. It has taken 12 months to become established in terms of developing a client base and being listed as an information broker in local, provincial and national directories. The STIS Office has been contacted by various organizations in the Maritime provinces enquiring about the information services offered and whether they could refer their clients to this office. A proposal for an invitation to tender from Industry, Science and Technology Canada has also been initiated.

It takes time for potential clients to realize the advantages and benefits of an information service. The demand level for this service has not been high but this is to be expected as this was the developmental phase of the programme. In its second year of operation I would expect an increase in demand. In order that the demand level be increased potential clients must know what an information service can do for them. Of those clients that had made use of the information services most of them had prior knowledge of how this type of service could be of benefit to them. To facilitate user education a portable workstation that could be taken into the workplace would be of great benefit.

The response that companies have given indicates that an information service should be offered. Clients have expressed satisfaction. I would recommend that this service continue for at least another two years in tandem with the information services at University of New Brunswick and Université de Moncton in order that its full potential be recognized.

APPENDIX A

Equipment:

Canon Fax-L920, plus interface

IBM PS/2 Model 80, 314 mg hard disk

Model 8513 monitor

IBM mouse

IBM Proprinter XL24

Epson FX86E printer

Hayes 2400 baud modem

IBM XT

5.25 inch external disk drive for the IBM PS 2/80

dual async adapter

Hitachi CD-ROM drive

APPENDIX B

MOUNT ALLISON UNIVERSITY
SACKVILLE, NEW BRUNSWICK
CANADA
E0A 3C0

RALPH PICKARD BELL LIBRARY

SCIENCE AND TECHNOLOGY INFORMATION SERVICE (STIS)

Entrepreneurs, innovators and researchers understand the importance of timely information. It can help you survive and prosper in today's competitive market. Mount Allison University Library is now offering a new service to New Brunswickers through its Science and Technology Information Service Office (STIS). To research your topic of concern effectively and efficiently we provide:

- * computerized information searches;
- * quick reference data;
- * loans from Mount Allison University Library;
- * interlibrary loans;
- * assistance in establishing information centres;
- * mail, courier or fax delivery service.

Whether this information is in the form of books, journal articles or reports you can be assured that it will be provided quickly and confidentially.

We would like to know more about your science and technology information needs. Please help us by completing the attached questionnaire. A postage paid envelope has been provided for your convenience.

We look forward to serving your information needs.

Diane Buhay
Diane N. Buhay
Coordinator, STIS

MOUNT ALLISON UNIVERSITY
SACKVILLE, NEW BRUNSWICK
CANADA
EOA 3C0

RALPH PICKARD BELL LIBRARY

SCIENCE AND TECHNOLOGY INFORMATION SERVICE (STIS)

ATTENTION: ENTREPRENEURS, INNOVATORS AND RESEARCHERS

This is to remind you of the services offered at the STIS office.
We provide:

- * computerized information searches;
- * quick reference data;
- * loans from Mount Allison University Library;
- * interlibrary loans;
- * assistance in establishing information centres; and
- * mail, courier or fax delivery service.

Many entrepreneurs, innovators and researchers do not have the resources or time to stay up-to-date on their topics of concern. STIS will help you stay current by working with you to research your topic.

Another STIS questionnaire has been enclosed (in case your previous copy has been misplaced) for your convenience. Please help us meet your science and technology needs by completing this questionnaire and mailing it to:

D.N. Buhay
Coordinator, STIS
Mount Allison University Library
Sackville, NB
EOA 3C0

We look forward to meeting your information needs.

DN Buhay
Diane N. Buhay
Coordinator, STIS

STIS QUESTIONNAIRE

As part of a market survey to determine the information needs of New Brunswickers we ask that you complete the following STIS questionnaire.

Mailing address:

Contact person: _____

1. In what areas of science and technology do you have information needs? (e.g. mining, aquaculture, medicine, etc.)

2. How often would you have need for such an information service?

Frequently _____ Sometimes _____ Never _____

3. Which of the following services would you use?

_____ computerized information searches

_____ quick reference data

_____ loans from Mount Allison University Library

_____ interlibrary loans

_____ assistance in establishing information centres

_____ rapid document delivery service via fax or courier

Please include any additional services you would find useful.

Comments/Questions?

Thank you for taking the time to complete this questionnaire.

Please return to: D.N. Buhay, STIS
Mount Allison University Library
Sackville, NB E0A 3C0

MOUNT ALLISON UNIVERSITY
SACKVILLE, NEW BRUNSWICK
CANADA
E0A 3C0

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Science and Technology Information Service

STIS Fact Sheet

STIS is funded under the Canada/New Brunswick Subsidiary Agreement on Industrial Innovation and Technology Development, Sub-programme Technology Information Transfer. This programme supports the creation of a climate which will encourage entrepreneurship and innovation and stimulate technology development and application.

STIS's aim is to aid New Brunswick entrepreneurs, innovators and researchers by providing access to current scientific and technological information.

STIS provides:

- * Access to a journal collection of 2,000 current titles
- * Access to the Library's government publication collection
- * Books from the Library's collection of more than 317,000
- * Loan of materials from other institutions
- * Photocopies of materials in the Library's collection
- * Computerized Information Searching of databases
- * Verification of citations
- * Patent technology search service
- * Access to chemical information via CD-ROM (compact disk)
- * Mail, Courier, or Fax delivery service

A newsletter, SCIENCE AND TECHNOLOGY INFORMATION UPDATE, on STIS activities is available

Access STIS by contacting Diane Buhay, Coordinator

Telephone: (506)364-2569

Fax: (506)364-2617

Envoy: STIS

In person: Room M11 at Ralph Pickard Bell Library

MOUNT ALLISON UNIVERSITY
SACKVILLE, NEW BRUNSWICK
CANADA
E0A 3C0

RALPH PICKARD BELL LIBRARY

SCIENCE AND TECHNOLOGY INFORMATION SERVICE (STIS)

F E E S

S E R V I C E S

Loans

Mount Allison University Library materials
and materials from other institutions

\$3 per item handling charge
plus charges incurred in acquisition,
copying, and delivery

Reference Services

Computerized searches

\$20 per computerized search
plus communications and database charges

Delivery Services

Courier - rates on request

Fax: \$1.00 per page - Maritime provinces
\$2.00 per page - within Canada/U.S.A.
\$5.00 per page - outside Canada/U.S.A.

(\$2 minimum per transaction)

Billing

Monthly invoice option
Cash transactions available for on-site
clients

Fees subject to change without notice

We provide:

- * Access to a journal collection of 2,000 current titles
- * Access to the Library's government publication collection
- * Books from the Library's collection of more than 317,000
- * Loan of materials from other institutions
- * Photocopies of materials in the Library's collection
- * Computerized Information Searching of databases
- * Verification of citations
- * Mail, Courier or Fax delivery service

Access STIS by contacting
Diane W. Buhay, Coordinator, STIS:

- * Telephone (506) 364-2569
- * Fax (506) 364-2617
- * Envoy STIS
- * Netnorth A0770 NYAM

Confidentiality assured

03/89

STIS SEARCH REQUEST/WORKSHEET

Date: _____

Company:

Contact Person:

Telephone:

Time limit:

Price Limit:

Request:

Relevant articles/authors:

Restrictions:YearLanguageDatabaseNo. of Citations

SCIENCE AND TECHNOLOGY INFORMATION SERVICE (STIS)

ITEMIZED BILLING

To:

Date of Request:

Invoice #:

Computerized search service _____ requests @ \$20 per request \$ _____

Communications and database costs \$ _____

Loans from Mount Allison University Library:

Handling costs _____ items @ \$3 per item \$ _____

Photocopy costs _____ pages @ \$0.20 per page \$ _____

Loans from other institutions:

Handling costs _____ items @ \$3 per item \$ _____

Photocopy costs _____ pages @ \$ _____ per page \$ _____

Acquisition costs \$ _____

Other \$ _____

Delivery:

Courier _____ @ _____ \$ _____

Fax _____ @ _____ (\$2 minimum) \$ _____

TOTAL \$ _____

Please make cheque payable to: Mount Allison University

Mail to: STIS, Mount Allison University Library, Sackville, NB N0A 3C0

STIS EVALUATION

Company _____ Date _____

1. Were you satisfied with the information?

☐ Yes ☐ Partly ☐ No

Please indicate reasons if partly or not satisfied.

☐ Not enough ☐ Need more in-depth ☐ Need different viewpoint

☐ Too much ☐ Need less in-depth

☐ Other, please specify _____

2. Was the information received within your time limit?

☐ Yes ☐ No

3. How important was it that you get this information?

☐ Very Important ☐ Important ☐ Moderately Important ☐ Somewhat Important ☐ Not Important

4. How did you benefit from this information?

☐ Saved time ☐ Met a deadline ☐ Other, please specify _____

5. How did you satisfy your information needs prior to STIS?

☐ Information broker ☐ Out-of-town information centres

☐ Did without ☐ Other, please specify _____

6. Would you use STIS again? ☐ Yes ☐ No

7. How did you hear about STIS?

☐ Newspaper ☐ Letter ☐ Brochure ☐ Colleague ☐ Information centre

☐ Other, please specify _____

8. Do you have any suggestions or comments re:

our present service _____

improvements _____

other possible services _____

PRESS RELEASE

MOUNT ALLISON UNIVERSITY INITIATES INFORMATION TRANSFER PROGRAM

SACKVILLE (NB) - March 1989 - The Ralph Pickard Bell Library at Mount Allison University in Sackville will receive federal / provincial assistance to develop an effective Information Transfer Program which will directly benefit the business communities of New Brunswick.

The announcement was made today by the Hon. Elmer MacKay, Minister responsible for the Atlantic Canada Opportunities Agency, and Marilyn Trenholme, M.L.A. for Tantramar, on behalf of Al Lacey, New Brunswick's Minister of Commerce and Technology.

According to the university's head librarian, Tom Eadie, the Information Transfer Program will require the purchase of a facsimile machine and a microcomputer complete with modem and CD-ROM Reader, plus 12 months salary for a new library information transfer coordinator.

"Through this program, Mount Allison University proposes to improve the effectiveness of the university in transferring scientific and technological information from the library to entrepreneurs, innovators and researchers throughout New Brunswick," said Mr. Eadie. "This initiative is designed to strengthen the cooperative network of resource sharing which already exists between other universities, the public and libraries around the province."

Mr. Eadie said the library will place special emphasis on assisting the private sector in accessing scientific and technological information. He also stated that the university anticipates that the program will result in establishing a library service providing business with access to international, online electronic data bases.

"The universities in this province are playing a major role in creating the technology information transfer network in New Brunswick," said Mr. MacKay. "Mount Allison is a necessary and welcome addition to this valuable network."

"This initiative is part of an overall development plan for the library to provide a greater sharing of resources within the province and develop services targeted at the business community," said Mrs. Trenholme.

Mount Allison University is a coeducational, residential university, restricted in enrolment to approximately 1,700 undergraduate students. Both general and honours programs are offered in the Arts and Sciences, and a certificate program is offered in Engineering, Secretarial Studies and Bilingualism. The Ralph Pickard Bell Library opened in 1970 to serve both the academic and business communities as well as the general public. It houses 400,000 volumes and seats 500.

Mount Allison University will receive a total of \$62,515 in assistance under the Canada/New Brunswick Subsidiary Agreement on Industrial Innovation and Technology Development. The federal share is \$43,760 and the provincial share is \$18,755.

The Ministry of State for Science and Technology is a signatory to the Canada/New Brunswick Subsidiary Agreement on Industrial Innovation and Technology Development which is administered by ACOA and the Department of Commerce and Technology.

APPENDIX C

...ives the basis for a centre of
in forest biotechnology and
on, to which the university will
by appointing five new faculty
to specialize in forest tree
Also at UVic the Vancouver
as Company is giving the
\$1.5 million over 10 years to
hair in environmental research.
ted that the research conducted
on reducing pollution from
ombustion engines.

rsity College of Cape Breton is
ving news broadcasts from
countries. An agreement with
Communications for Learning
university to receive a non-
merican view of world events.
ing is provided from countries
ain, Libya, China and Japan.

lesystems Ltd has given the
of Alberta \$100,000 to create
Cable Distinguished Visiting
ndowment Fund. The fund will
support one or more Mary
siting Artists within the drama
t, recognizing the contribution
e Mary Mooney to theatre in
. The original donation is being
y private sources. Additional
funds will be sought from the
government.

niversity has signed an agree-
the Canadian International
ent Agency to undertake a
ghts project on disappeared
he \$155,000 project will outline
steps and measures to be taken
ments to reduce or eliminate
ances. The work will be con-
Acadia and the United Nations
Geneva, Switzerland.

ation with Makerere University
University of Newfoundland has
five-year primary health care
ogram in Uganda. The \$793,000
ned by the Canadian Interna-
elopment Agency, will upgrade
ospital about 150 miles from
o establish a community based
alth care centre to train young
physicians. John Ross, the
director, has acquired several
econd hand medical equipment
he hospital.



Rosanna Stafford, a third-year sociology student at the University of New Brunswick, is getting ready to cry for her university. However, it is not because she is extraordinarily tender-hearted. It is because after entering a Canada Day town crying competition in Fredericton last year—as a joke—she proved to be so good at it that the university made her its official town crier. Now Ms Stafford is getting ready to represent the university at the World Town Crying Championships being held in Ghent, Belgium, in June. The only female town crier in New Brunswick, she is also, at age 23, one of the youngest in Canada to take up this 18th century custom. In Belgium she is wearing the UNB colors of red and black. A costume was made for her by a class of home economics students at the university.

The need for funds to replace and upgrade equipment at the University of British Columbia's Crane Memorial Library for the blind will be felt by users across Canada and in 48 other countries. The Crane produces over 10,000 cassettes and makes multiple copies of 2,000 to 3,000 master reels each year for UBC students and distance users. The university is unable to provide the capital funding required, forcing the Crane to turn to

in computer aided engineering research with support from Bell Northern Research (BNR) and the Natural Sciences and Engineering Research Council (NSERC). A total of \$895,000 will be provided over five years, \$600,000 of which will come from NSERC. BNR is contributing \$295,000 and allowing access to its scientists and facilities. Carleton is supplying facilities and support staff. The chair will be occupied by Michel Nakla, a specialist in computer aided engineering who was formerly with BNR.

Camrose Lutheran College has received donations from several oil companies and an electrical utility company to finance the construction of a new campus centre. The gifts and pledges to date total \$200,000. Camrose Lutheran, a degree-granting independent educational institution located in Alberta, receives some government funds for operations but depends entirely on private donations for capital development.

Memorial University of Newfoundland's Aziz Rahman is leading a project to redesign the rickshaw. In collaboration with faculty at the Bangladesh University of Engineering and Technology at Dhaka, Dr Rahman has developed a vehicle that incorporates labor-saving features and a motor powered by solar energy to assist the driver on inclines. Dr Rahman is also working with the Bangladesh Institute of Technology in Rjashahi to help develop an industrial electronics teaching laboratory. The facility will be used to train instructors to teach electronics at the undergraduate level. Over a three-year period the project will receive \$400,000 from the Canadian International Development Agency.

The Mount Allison University library has launched a new service to respond to the information needs of New Brunswick's entrepreneurs, researchers and innovators. The range of services made available include on-line searches and interlibrary loans. Facsimile transmission will also be used to ensure the rapid delivery of information. The library hopes to establish a strong regional information network. For information: Diane Buhay, coordinator, Science and Technology Information Service Office, Ralph Pickard Bell Library, Mount Allison University, Sackville, New Brunswick E0A 3C0.

— RESEARCH NEWS —

Library Service Offered

The library at Mount Allison is now offering a new service to entrepreneurs, researchers and innovators through its Science and Technology Information Service Office (STIS).

The service, which includes online searches and interlibrary loans, is designed to meet the information needs of all New Brunswickers. The use of facsimile transmission helps ensure the rapid delivery of information. Through this service — and similar ones throughout the province — STIS expects to develop a strong regional information network that will benefit the entire province.

For further information please contact Diane Buhay, Co-ordinator, STIS at the Ralph Pickard Bell Library, Mount Allison.

Lens Improves Research on Sea Floor

Thanks to Dr. Philip Mladenov, biologists now have a useful underwater magnifying device to study marine organisms.

The Mount Allison University biologist invented the device to serve his own scientific needs. As a diving researcher, he needed to be able to look at marine animals and parts of animals under high magnification to see how they behaved, but there was no instrument that would help him do this.

Dr. Mladenov's first prototype magnifier underwent several revisions after testing brought to light its weaknesses. Finally, working with optical expert Ian Powell from the physics branch of the National Research Council, Dr. Mladenov developed another prototype. The two scientists described their magnifier in a scientific journal and offered to supply blueprints to scientists wanting to build one for themselves.

The requests poured in, but not for blueprints. Everyone wanted the finished instrument. So Dr. Mladenov formed a company, Under Water Optics, to build and market the magnifier that he and his colleague at the National Research Council developed.

Moncton acquires a unique device in the province



Le chromatographe à gaz couplé à un spectromètre de masse dont l'Université de Moncton vient de faire l'acquisition sert à analyser des échantillons environnementaux et à déterminer s'ils contiennent des contaminants chimiques tels les pesticides, les drogues ou même les BPC.

D'une valeur d'environ \$150 000, le système comprend trois parties; le chromatographe à gaz est l'appareil qui sépare les divers ingrédients du mélange qu'on veut faire analyser tandis que le spectromètre identifie les composés du mélange. Ces deux appareils sont reliés à un ordinateur qui contient environ 50 000 données chimiques. Dès qu'il reçoit les renseignements, l'ordinateur vérifie si les substances analysées sont dans la banque de données.

L'acquisition du système entier s'est déroulée sur une période de trois ans. Seuls Environnement Canada et Environnement Nouveau-Brunswick possèdent des appareils semblables à ce système, unique dans la province, selon l'Université de Moncton.

Dans l'ordre habituel, on voit Mme Gilberte LeBlanc, directrice du Département de chimie et biochimie, M. Michel Guay, technicien responsable de l'appareil, M. Victorin Mallet, professeur et chercheur, qui introduit un échantillon dans l'appareil, Louis-Philippe Blanchard, recteur, et Francis Weil, doyen de la Faculté des sciences et de génie.

TEACHING AWARD TO UNDERGO CHANGES

APICS and Northern Telecom take pleasure in announcing a significant change to their joint science teaching award program to take effect for the 1989 competition.

Instead of one award being granted annually — with the recipient being selected from a pool of high school, community college and university teachers — there will now be two awards presented, one for high school teachers and one for university and other post-secondary teachers.

APICS and Northern Telecom are confident that this will make the competition more equitable for nominees and will also serve to highlight the achievements of both high school and post-secondary teachers.

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 4

July 7, 1989

CD-ROM PRODUCTS

One of the newest ways to access information is by searching CD-ROMs. CD-ROMs (compact disk - read only memory) are optical disks similar in appearance to compact audio disks. A CD-ROM can hold the same amount of information as approximately 250,000 pages of text or The Encyclopaedia Britannica. The information is stored on the disk by a mechanical means and the information is read by a laser and interpreted by a microcomputer. Some of the databases which I have discussed in the past are available in the CD-ROM format.

For the next 2 months, in addition to the CCINFODisc, STIS will have CD-ROM products on the ENVIRONMENT and the EARTH SCIENCES.

The CD-ROM product CCINFODisc is made up of many databases including the following:

TRADE NAMES - information on chemical trade name products based on manufacturer/supplier material safety data sheets.

CHEMINFO - information on pure chemicals, natural substances and mixtures which result from industrial processes.

PEST MANAGEMENT RESEARCH INFORMATION SYSTEM - covers many aspects of pest control product development.

If you are interested in chemical, environmental or geological information or would just like a demonstration please call 364-2569.

DATABASE INFO

The AQUATIC SCIENCES AND FISHERIES ABSTRACT database covers the science, technology and management of marine and freshwater environments and resources. Coverage includes fisheries (harvesting, processing, and marketing), fish products, ocean engineering, and marine technology, as well as related subjects.

NEW PUBLICATION!

Government Business Opportunities is a bilingual weekly which provides information on Federal procurement opportunities as well as General Contract Award Notices.

For further information contact: Diane Buhay at Mount Allison University Library, STIS, 364-2569

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 3

August 25, 1989

DATABASE INFO

The TEXTILE TECHNOLOGY DIGEST database covers the years 1978 to present. It provides international coverage of the textile literature. More than 650 journals, as well as books, theses, patents, standards, conferences and directories are scanned in order to provide references. Coverage includes the many aspects of textile production, processing and the management of these operations.

Subject coverage includes:

- * testing and measurement
- * laundering, drycleaning, care labelling
- * apparel design and production
- * dyeing and finishing of textiles
- * industrial fabrics, surgical products, home furnishings
- * geotextiles, composites, ropes
- * polymers, manmade fibres, natural fibres
- * conservation and preservation of textiles
- * machinery and parts for mills and labs
- * home economics, consumerism, retailing
- * chemicals, dyes, resins, catalysts
- * pollution, carcinogens, safety, energy
- * marketing, quality control, statistics
- * yarn and fabric manufacturing techniques
- * conferences, forecasts, education, research
- * physics, biology, chemistry, general sciences
- * management, industrial engineering, unions

For further information on this database and other databases contact Diane Buhay at telephone (506) 364-2569 or fax (506) 364-2617 or in person at the Ralph Pickard Bell Library at Mount Allison University.

PRESS RELEASE

MOUNT ALLISON UNIVERSITY INITIATES INFORMATION TRANSFER PROGRAM

SACKVILLE (NB) - March 1989 - The Ralph Pickard Bell Library at Mount Allison University in Sackville will receive federal / provincial assistance to develop an effective Information Transfer Program which will directly benefit the business communities of New Brunswick.

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 2

April 17, 1989

CURRENT AWARENESS

Let STIS make it easier to keep current with the latest developments in your field! A current awareness service, or more commonly referred to as SDI (Selective Dissemination of Information) Service, is now available through the STIS office.

SDI service is an effective method for receiving the most current information on topics of interest. The SDI service can be applied on a regular basis, e.g. monthly, weekly, daily, to greater than 100 computerized databases. A strategy (profile) is developed that will retrieve data tailored to your specific needs. This service is ideal for following timely issues. The following is a sample of the databases for which this service is offered:

Agriculture
AGRIBUSINESS

Chemistry
ANALYTICAL ABSTRACTS

Computer Technology
MICROCOMPUTER INDEX

Engineering
INSPEC

Medicine and Biosciences
BIOSIS PREVIEWS

Patents and Trademarks
WORLD PATENTS INDEX

To provide you with automatic updates please contact the STIS Office.

DATABASE INFO

The MICROCOMPUTER SOFTWARE GUIDE database contains current information on most software programmes available in North America. Each record includes a brief description, as well as technical specifications and ordering details. Included are software for the following systems: Apple II family, Apple Macintosh, Atari, Commodore, Hewlett-Packard, IBM PC, Radio Shack, Texas Instruments, UNIX, and Xerox Micros.

NEW TITLES

*Encyclopedia of Physical Science and Technology, 1987

*Georges Bank, 1987

For further information contact: Diane Buhay at Mount Allison University Library, STIS, 364-2569

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 3

June 9, 1989

NEW SERVICE!

The STIS Office is pleased to announce the beginning of a new service designed to make technological information, in the form of patents, more easily accessible to the public. Small and medium-sized businesses, research institutes, industry associations and other organizations will be able to benefit from this service by being provided with this free-of-charge patent technology search service. The objective of this service is to identify patents which will assist you to:

- * avoid duplication of research and development;
- * develop a new and improved product/process;
- * find a solution to a specific technical problem;
- * locate sources of know-how or licensing opportunities; and
- * monitor activities of competitors.

The Intellectual Property Directorate is also supplying the STIS Office with copies of their publications which include titles such as:

- * Industrial Design: Questions and Answers
- * Industrial Designs: An Introduction
- * Trade Marks: Questions and Answers
- * Copyright: Questions and Answers
- * Patents: Questions and Answers

For more information on patents please read the reverse side.

DATABASE INFO

The CONFERENCE PAPERS INDEX database includes the subject areas of the life sciences, chemistry, physical sciences, geosciences and engineering. It provides information on current research and development from papers that are presented at more than 1,000 major scientific and technical meetings held yearly.

GENERAL

STIS has received an update for the CD-ROM CCINFodisc published by the Canadian Centre for Occupational Health and Safety. For MSDS information contact STIS.

For further information contact: Diane Buhay at Mount Allison University Library, STIS, 364-2569

The following records are samples of the type of information which is available in the MICROCOMPUTER SOFTWARE GUIDE database:

TITLE: Formula 4
VERSION: 1.16
COMPATIBLE HARDWARE: IBM PC, PC XT, PC AT
OPERATING SYSTEM(S) REQUIRED: MS-DOS 2.X, 3.X
LANGUAGE(S): C
DEMO DISK AVAIL.
MEMORY REQUIRED: 256 k
PRICE INFORMATION: DISK \$695.00
MANUAL AVAIL. WARRANTY INCL.
ANNOTATION: Relational data base applications generator, menu-driven format allows the user to create personalized data bases, format reports & output, & create user menus with automatic documentation at the user's specifications, designed with the untrained user in mind & provides a query language for generation of reports using English commands. Has the ability to access up to one billion records with up to 100 fields per record. Reports can be generated from six files at one time.
PUBLISHER: Morgan Computing Co., Inc.
ADDRESS: P.O. Box 112730
Carrollton, TX 75011
TELEPHONE: 214-245-4763

TITLE: The HyperCard
NO. OF PARTS: 4 disks
COMPATIBLE HARDWARE: Apple Macintosh Plus, Macintosh SE, Mac II
MEMORY REQUIRED: 1024k
PRICE INFORMATION: \$49.00
ANNOTATION: Graphically based data management application. The graphic interface enables users to easily organize information without having to learn a script language. Package includes a number of ready-made templates such as: area code listings, address book, date book, phone directory, file index, a list of quotations, & HyperCalc - a math program. These templates can be used for entering informations or as foundations for user's own designs. Employs the concept of HyperText - text, images, & data are linked to other text, images, & data by buttons.
PUBLISHER: Apple Computer, Inc.
ADDRESS: 520 Madison Ave., 34th Flr.
New York, NY 10022
TELEPHONE: 212-308-8500
ORDERING INFORMATION: 130 Parkway Plaza
Charlotte, NC 282105
704-525-8120

WHAT IS A CANADIAN PATENT?

A Canadian patent is a document by which the government grants an inventor the right to exclude others from making, using or selling an invention within Canada for a period of 17 years. The inventor, for his or her part, must fully describe the invention. This disclosure facilitates the dissemination of technological information and promotes the use of the invention.

WHAT TYPES OF SUBJECT MATTER ARE DEALT WITH BY COPYRIGHT, INDUSTRIAL DESIGN AND TRADE MARKS RATHER THAN BY PATENTS?

Copyright deals with original literary, musical, dramatic and artistic works. The term of a copyright is for the life of the author plus 50 years. Industrial design deals with the appearance or visual design aspects of any article of manufacture. This includes any shape, feature or ornamentation, the object of which is an aesthetic effect. Functional or useful features may not be the subject of an industrial design. The term of an industrial design is for five years and is renewable for an additional five years only. A trade mark is a word, symbol or picture, or any combination thereof, used to distinguish the goods or services of a person or organization from the goods or services of others in the marketplace. The term of a trade mark is for 15 years and is renewable every 15 years, indefinitely.

WHAT IS A PATENTABLE INVENTION?

A patentable invention is any new or useful process, machine, method of manufacture or composition of matter, or any new and useful improvement thereof, which is not obvious to someone skilled in the particular field (i.e., which shows "inventive ingenuity").

WHAT SUBJECT MATTER IS UNPATENTABLE?

Among the things which are not normally patentable are an improvement to a known device which would be obvious to a person skilled in the art, a principle, a recipe, a design, a computer programme, an idea or a process (or the product of a process) that depends entirely on a person's skill and leads to an ornamental effect.

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 3

June 9, 1989

NEW SERVICE!

The STIS Office is pleased to announce the beginning of a new service designed to make technological information, in the form of patents, more easily accessible to the public. Small and medium-sized businesses, research institutes, industry associations and other organizations will be able to benefit from this service by being provided with this free-of-charge patent technology search service. The objective of this service is to identify patents which will assist you to:

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- * develop a new and improved product/process;
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GENERAL

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For further information contact: Diane Buhay at Mount Allison University Library, STIS, 364-2569

"The Cooperative Programme Planning Process" was held on January 26-28 for principals and teacher-librarians. Carol Ann Haycock of Vancouver was the speaker. A large number of school principals were included among the 130 people in attendance.

The final draft of the school library policy for Prince Edward Island will be circulated within the next few weeks.

Plans are being formulated to develop a programme which will lead to a diploma in school librarianship. It is anticipated that this diploma will be based on approximately ten courses to be given at the University of Prince Edward Island over three or four years.

On February 3, about twelve library staff from various libraries attended an informative teleconference on electronic mail at the Queen Elizabeth Hospital. The Conference was organized by the Hospital's Librarian, Marion Kielly.

Barrie Stanfield, Librarian at the Agriculture Canada Research Station Library, reports that the Library recently acquired on-line searching capability on CAN-OLE and DIA-LOG systems.

NEWS FROM NEWFOUNDLAND

Faculty and librarians at Memorial University have tentatively worked out their first contract, which was agreed to in principle just hours before the strike deadline on February 10th. While details have yet to be released, the new salary structure should bring librarians very close to the national median.

Mona Cramm will retire from her position as Head of the Provincial Reference and Resource Library on April 30th after 35 years in the public

nel from the Newfoundland Department of Education. This was her second visit to the province in six months and she was encouraged with the positive response she received to resource based learning.

NEWS FROM NEW BRUNSWICK

Diane Buhay has been appointed Information Transfer project Coordinator at Mount Allison University, effective January 1, 1989. She will be responsible for the dissemination of scientific and technological information to entrepreneurs and researchers, both locally and as part of an emerging provincial network. Ms. Buhay is a recent graduate of the School of Library and Information Science at the University of Western Ontario.

Mount Allison University is now offering a new service for New Brunswickers through its Science and Technology Information Service (STIS). This service is designed to respond to the information needs of entrepreneurs, researchers and innovators. Through the information network, STIS provides a wide range of services which include online searches and interlibrary loans. To ensure rapid delivery of information, the latest technology of facsimile transmission is utilized. Through this service and other similar services in the province, we expect to develop a strong regional information network that will benefit all New Brunswickers. For further information please contact Diane Buhay, Coordinator, STIS at Mount Allison University Library.

The University of New Brunswick Libraries received a \$10,000 grant from the Social Sciences and Humanities Research Council of Canada which recognizes the significance of the Library's collection of books on the Holocaust. The grant will be used to purchase curriculum

lection represents all periods and genres of children's literature in the English language. Of special note are two facsimile series of English books from the Osborne Collection of Early Children's Books, Toronto Public Library.

John Nielson has been appointed to the Librarian 2 position in the Documents Department, Harriet Irving Library. John was most recently at Lakehead University.

The Saint John Regional Library reports that a number of official openings marked the end of 1988. The Le Compton Library's Multi-Media Centre opening took place in

Conference News!

Spring is coming—and so is APLA's 1989

Excitement is growing as the conference organizers finalize plans. Your pre-registration kit, to be mailed out in mid-March, will include all the necessary details on accommodations, sessions, registration, etc. As soon as you receive it, open it up and make your choices. Don't miss out on the opportunity to participate in this conference.

Come over to the Island early, so you won't miss the pre-conference sessions. The Canadian Government Publishing Centre is presenting *Depository Services program: Making It Work In Your Library*. CLA is offering *Video In Your Library* and *Employer/Employee Communications: Managing Difficult Situations*.

Penny McKee is our theme speaker. At present Chief Executive Officer of the Peterborough Public Library, her achievements are many, including being an OLA president and a CLA councillor.

David Beatty Cited for Teaching Merit; Becomes Sixth Tucker Prize Winner

David Beatty is a gentleman farmer, a community activist, and something of a backroom politician. An historian, he is expert on relations between the United States, the land to which he was born, and Canada, the land to which he was adopted long ago. A powerful and popular orator, he is an oft-sought speaker and an occasional radio and television performer.

And he is a teacher, dedicated to the intellectual growth of his students, anxious for their development as scholars and citizens, generous with his time and advice. That is why, during Convocation on May 8, Dr. Beatty was formally declared Mount Allison's outstanding instructor for 1989 and awarded the Herbert and Leota Tucker Award for Excellence in Teaching.

He is the sixth such laureate since the award was inaugurated in 1984 by Dr. Edmund Tucker ('43) and the late Dr. Harold Tucker ('44) in memory of their parents. He was selected by a committee comprised of Dr. David Johnston, principal of McGill University; Dr. Sheila Brown, vice president (academic) of Mount Allison; Dr. Kathryn Hamer, the Department of French and Spanish; Dr. Robert Hawkes, Department of Physics; and Cecil Clarke, president of the Class of '90. Dr. Hamer and Dr. Hawkes are previous winners of the Tucker Award.

Dr. Beatty joined Mount Allison's history faculty in 1966 and was, in the late 1970s, head of the department. For several years he was a leading figure in the university's high school visitation program and was an enthusiastic counsellor to prospective students.

A member of several professional organizations and societies, Dr. Beatty is a director of the Canadian Society for the History of the Second World War and carries the cards of the Canadian Historical Association, the Canadian Association for American Studies, the American Association for Canadian Studies, and the Canadian Society for



Dr. David P. Beatty (right) receives the Herbert and Leota Tucker Award for Excellence in Teaching from Dr. Edmund Tucker during spring Convocation.

Nautical Research.

Closer to his Port Elgin home, he has been president of the Tantramar Progressive Conservative Association, the local Home and School Association, and the Tantramar Soil and Crop Association.

His most recent book, *Memories of the Forgotten War: the World War I Diary of Pte. V.E. Goodwin*, was published in the spring. ♡

R.P. Bell Library Inaugurates New Information Service

Entrepreneurs, research workers and innovators are now served by a Science and Technology Information Service (STIS) established during the winter in the Ralph Pickard Bell Library at Mount Allison.

Diane Buhay, coordinator of the program, says STIS will provide a wide range of services, including on-line searches and interlibrary loans, through the latest technology of facsimile transmission. She believes this and similar projects elsewhere in New Brunswick will provide a strong regional information network of particular benefit to the province. ♡

Chancellor Reappointed To Four-Year Term

Margaret Norrie McCain, the fourth chancellor in Mount Allison's 150-year history, has been reappointed to a second term by the university's Board of Regents.

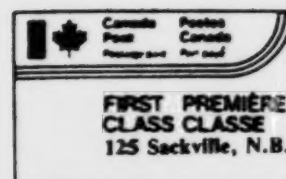
The decision to return Mrs. McCain as the titular head of Mount Allison was made at the semi-annual meeting of the board held on May 9. The chancellor, who first assumed office in the spring of 1986, will now continue in the post until December 31, 1993.

Mrs. McCain, whose family association with Mount Allison reaches back to the university's beginning in 1839, has been a prominent participant in the school's sesquicentennial celebration this year.

Born in northern Quebec, she grew up in Truro, N.S. and graduated from Mount Allison in 1954 with a Bachelor of Arts with honours in history. She went on to complete a Bachelor of Social Work degree at the University of Toronto before marrying and eventually settling in Florenceville, N.B. ♡

Admissions Information Planned for Montreal

Prospective students, their parents and friends are invited to Admissions Information sessions October 22, 1989 from 2:00 p.m. to 9:00 p.m. at the Airport Hilton in Dorval, Que. Presentations will be given at 3:00 p.m., 5:00 p.m. and 7:00 p.m. and representatives of Mount Allison will be available at any time for consultation.



First Class Mail

Research Applications

The Office of Research Administration is receiving applications for research funds from the Social Sciences and Humanities Research and the Natural Sciences and Engineering Research Councils. Forms are available from departmental secretaries or from the Research Administration office.

The Research Committee is also administering approximately \$4,000 in SSHRC international travel funds available to faculty members in the appropriate disciplines who are planning to present papers at conferences taking place outside of Canada and the United States before March 31, 1990. Application forms for these grants are also available at the Office of Research Administration.

The deadline for submission of applications is March 6, 1989.

Library Offers Information Service



A Science and Technology Information Service (STIS) has been established by the Ralph Pickard Bell Library at Mount Allison, responding to the data needs of entrepreneurs, research workers and innovators in the region.

Diane Buhay, coordinator of the program, says STIS will provide a wide range of services, including on-line searches and interlibrary loans, through the latest technology of facsimile transmission. She believes that, through this and similar services elsewhere in the province, a strong regional information network will benefit the province.

Details may be discussed with Ms. Buhay at the Library.

Appointment Opportunities

History: One-year sabbatical replacement appointment, subject to budgetary approval, at the rank of lecturer or assistant professor; doctorate preferred; research record and teaching experience taken into account; responsible for teaching a survey course in United States history, third-year course in U.S. history (1877 to the present), and senior seminar in American civilization. Salary ranges, \$26,755 to \$39,085 (lecturer), \$32,235 to \$45,935 (assistant professor); closing date, April 30, 1989; contact Dr. Graham Adams, Jr., Department of History, Mount Allison University, Sackville, N.B. E0A 3C0.

Sociology and Anthropology: One-year sabbatical replacement appointment, subject to budgetary approval, at the rank of assistant professor; doctorate required; responsibilities include undergraduate teaching and research in introductory sociology, research methods, and the sociology of science; ability to teach course in sociology of the media would be an asset; salary range, \$32,235 to \$45,935; closing date, April 30, 1989; contact Dr. Patrick L. Baker, Department of Sociology and Anthropology, Mount Allison University, Sackville, N.B. E0A 3C0.



Oscar Gaudet (left), marketing sales representative for Labatt's New Brunswick, presents to Dr. Don Wells the brewery's first installment on its five-year pledge to Universitas, the Mount Allison University capital campaign. This gift continues a long tradition of support of the university by the company.

The Campus Notebook

24/02/89

The *Campus Notebook* is published bi-weekly by Information Services, located in the Alumni Centre, 118 York Street, Sackville, New Brunswick. Deadline for submissions is 4:30 p.m. Thursday, one week prior to the publication. Information for the Weekly Calendar of Events (also published on Fridays) must be received no later than 4:30 p.m. Wednesday.

Editor: Peter MacRae
Research: Leslie Forsyth
Layout: Susan Seaborn



R & D: the Key to Technology-Based Growth

by Camille Malenfant,
Technical Consultant, ICNB

"High tech entrepreneurship in New Brunswick?" The speaker, a senior executive in a medium-sized company, sounded incredulous. "That's for places like California. It'll never work here." He was expressing a doubt that assails many business people in Atlantic Canada.

Silicon Valley

When they compare the complexity of technology-rich, world-class industrial centres with the relatively unsophisticated, resource-based economy of the Maritimes, they tend to conclude that the gap between the two is unbridgeable. If they understood how areas like California's Silicon Valley first got started, they might realize that the goal of making it happen in New Brunswick is not really so far-fetched.

One reason that the goal of technology-based entrepreneurial growth in New Brunswick may appear unrealistic to many observers is the fact that most firms in the province's manufacturing sector perform relatively little research and development (R & D), even when gauged by the rather low level of R & D activity practised by Canadian industry as a whole. To say the least, this lukewarm commitment to R & D has not been very conducive to the spinning-off of entrepreneurial initiatives.

In-Depth Assistance

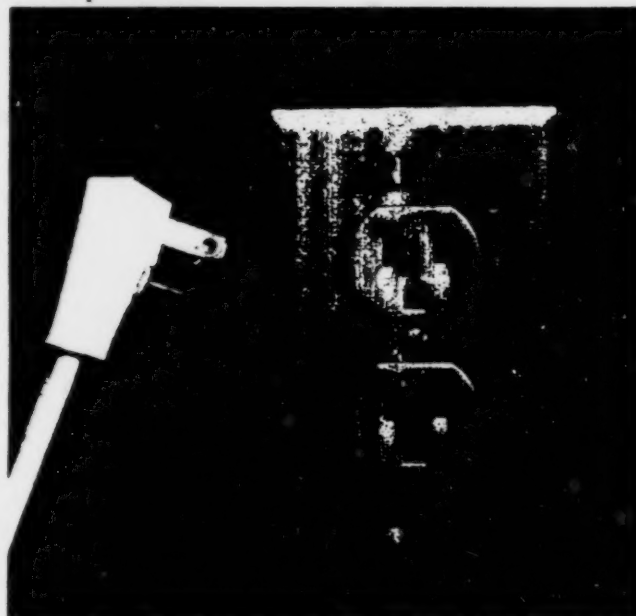
Yet, in comparison with many areas New Brunswick is well-endowed with research and development resources that have been established with the express purpose of being broadly accessible to industry at all levels. The provincial Research and Productivity Council (RPC), and the Computer Assisted Design and Microelectronics Institute (CADMI) affiliated with the Maritime Technology Centres in Fredericton and Moncton are capable of providing in-depth assistance to individuals and companies wanting to explore the potential for technological improvements in their products and processes.

Entrepreneurs who used the services of these agencies have found the contact rewarding. For example, Moncton's Claude Bruner made good use of CADMI resources in the development of the new, computer-based technology that is winning an international reputation for

the lens-manufacturing capabilities of his Ocean Optical Ltd.

Technology Transfer

Sometimes the technology a firm requires in order to get into production need not be developed from scratch. The emphasis that both the federal and provincial governments place on technology transfer and licensing programs is aimed at increasing the overall utilization of our existing manufacturing plants and at the same time apply the advances in technology to improve our competitiveness.



The problem is that many manufacturers don't know how to use these resources. When they do, the results are often very positive. Existing, specialized technology can often be acquired through Canada Patent Development Limited, a crown corporation that licenses inventions developed by the National Research Council and other federal and provincial research agencies. Westmorland Laboratories Inc. of Sackville benefitted from this option by acquiring a license for the basic design concept of their microwave plasma defroster.

* University Contribution

Not all the resources are concentrated in government research centres. New Brunswick's universities are receiving an increasing measure of international respect for their contribution to the R & D capabili-

ties of the province. The University of New Brunswick, for example, is a recognized centre of excellence in forestry, computer science, and bio-engineering. For companies and innovators with specific, technological information needs, the Mount Allison University library offers a Science and Technology Service (STIS) that conducts patent technology searches to help users avoid needless duplication of R & D efforts, find solutions to particular technical problems, locate sources of know-how, and identify licensing opportunities.

Apart from institutional support systems, of course, some companies that operate in New Brunswick have, on their own initiative, made heavy commitments to research and development in high-tech fields. In Newcastle, for instance, Repap Enterprises is using alcohol and steam in the preparation of wood pulp for paper-making by the revolutionary Alcel process. In Moncton, Blue Cross Atlantic is the envy of the insurance industry for the Quick-Pay software package which permits over-the-counter payment of client health insurance claims to be completed literally in seconds. And there are many other examples one could point to.

Diversification=stability

For a long time, New Brunswick's economic prosperity will continue to be resource-based. However, diversification into areas of technology-based manufacturing and support services can help greatly to stabilize fluctuations in the basic industries, and at the same time lay the foundation for a more varied mix of enterprises in the future.

To take full advantage of this trend will require new skills in the work force, and the province is placing increased emphasis on the kinds of skill training and upgrading that will enable New Brunswickers to adapt to rapid technological change. It is equally evident that the productive society of the future will demand entrepreneurial abilities. Again, the province is working in cooperation with educational institutions to incorporate entrepreneurship into the curriculum.

Expert Help

While waiting for these new skills to appear in the labour market, New Brunswick companies can accelerate their growth and get a head start on the future by taking advantage of expert help and advice concerning new products and technologies, through research and educational centres around the province. Innovators and entrepreneurs who are unsure of the resources that are available to be tapped can contact the Innovation Centre NB for guidance. Companies that invest in technology through R & D, technology transfer, and special skills training are the ones that will reap the long-term rewards in years to come.

Research in field of computational linguistics at the Université de Moncton has contributed to the establishment of a new enterprise, Lexi-Tech, which specializes in translation of technical documents. Also at U. de M., the Food Research Institute is applying R & D expertise to the challenge of developing new edible products, especially seafoods, for world markets.

Consumer Research

One might suppose food to be an unlikely field for extensive research, but in fact large-scale producers and food service chains, such as New Brunswick's Pizza Delight, cannot afford to take anything for granted with their offerings to consumers. Before a new item is listed by such firms, it will have been subjected to extensive analysis to determine the taste, appearance, and texture preferred by the customer.

APPENDIX D

Janet Allen. Men's first: Warren Murray and se Lucci. Mrs. Gladys Boor down prize and Harriet the raffle. The next card on Sept. 27.

Don and Carol Field Mass. visited Helen Walt family members. Helen a

Society M Next We

The Westmorland Hist ty will hold an open me history of Rockport and areas such as Johnson Grande Anse, on Octob p.m. in the Masoni Dorchester.

Clarence Nowlan, auth port Portraits, will spea ject and show a slide coll ing to the topic. This pro of interest to many peopl to everyone.

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SEEKING OUTSIDE ASSISTANCE — Diane Buhay, director of the Science and Technology Information Service, is shown here at her micro-computer requesting special technological information for a New Brunswick entrepreneur who is interested in starting a small business.

First Stage Of STIS Program Under Way At Mount Allison

Experience in other jurisdictions indicates it requires up to three years for an undertaking like the Science and Technology Information Services (STIS) which is located at Mount Allison University, to become fully recognized and utilized.

Basically, STIS is funded under the Canada-New Brunswick Subsidiary Agreement on industrial innovation and technology development for technology information transfer.

The program supports the creation of a climate which will encourage entrepreneurship and innovation and stimulate technology development and application in the province.

The local program got underway earlier this year with a \$69,000 funding grant. It is located in the Mount Allison University Library and operated by Ontario native Diane Buhay, who now resides in Saint John.

Buhay holds a BSc, a masters in library information science and a doctorate in optometry.

Describing the information transfer centre Buhay says the program is designed to improve technology monitoring, forecasting and networking within the province so that all parties have better access to current scientific and technological information. It offers a co-ordinate approach to intelligence collection, awareness promotion and information dissemination with respect to up-to-date scientific information and its application to New Brunswick.

Buhay says she is in the first phase of the operation — expected to require 12 months — which will be the implementation, on a trial basis, the development of procedures and policies. She expects the program to be fully operational in 1990.

The preliminary work which has been necessary in order to permit entrepreneurs access to the information has been to make them aware of the service. Thus she has had to identify the parties to be served and make them knowledgeable about her work.

She believes this has been fairly successful since several have responded with requests, followed up

with positive appraisals. However, a similar service provided at University of Waterloo required three years to become fully successful.

It has also been necessary to catalogue what resources are available. Through her computer Buhay has access to hundreds of data bases as well as a wealth of material within the university library.

"If a client wishes information we don't have here it's usually only a matter of seconds in locating it with the computer," she says. "If the request is for technological information on forestry, for example, we would merely turn to University of New Brunswick for assistance."

Buhay explained that a similar program is underway at UNB in Fredericton and that University of Moncton is attempting to obtain a similar service.

FIVE-YEAR PROJECT

While extended funding for a continuation of the service from Sackville has not been announced, indications are that it will come since, ideally, it should become a five-year-project before coming close to being self-sustaining.

Buhay explained that there is no charge for information available from local sources but a nominal fee for that required from outside. It's hoped and expected that the demand for such services will become sufficient to offset the costs of operation

of the office.

Currently the director is developing a director of scientific expertise in the province. Buhay is contacting researchers, seeking summaries of research activities which will be placed in the information base. She has a list of publications and has a nation-wide networking system which offers New Brunswick entrepreneurs extensive information as they ponder moving into the technology field.

Most of the requests come from small and medium size businesses although the local information service can also offer assistance to larger firms.

"We ask our clients to complete an assessment of our service," she said, "and everyone to date has been very positive. This should indicate we are on the right track and business should grow as our reputation spreads."

The program operates under the direction of the provincial Department of Commerce and Development. Its main function, of course, is to permit provincial entrepreneurs to have access to the best possible information available so they may be as prepared as those in Ontario, Quebec or British Columbia.

Entrepreneurs or prospective entrepreneurs requiring any type of scientific information may contact Buhay at her office in the Mount Allison Library or by phoning her at 364-2617.

SACKVILLE TRIBUNE-POST 27/09/89

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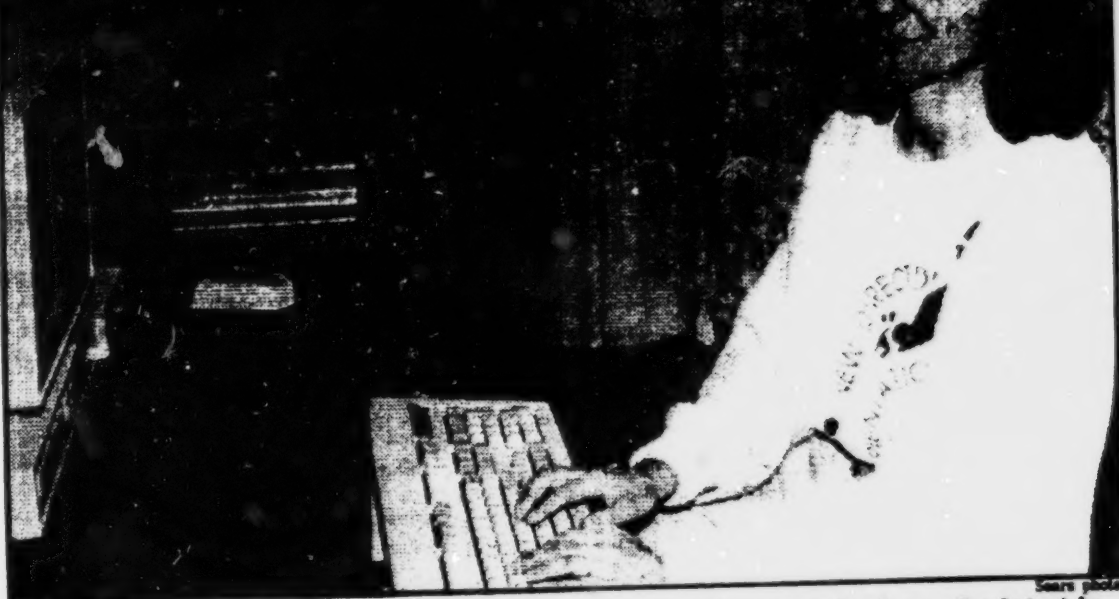
Stoppers toll-free
10-222-8477.



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Sears photo

Diane Buhay operates a computer terminal to access information banks on the latest in technological research. *MONCTON TIMES-TRANSCRIPT 23/10/89*

Technology information available through Mount A pilot program

By Wallie Sears
Correspondent

SACKVILLE (Special) — Experience in other jurisdiction indicates it requires up to three years for an undertaking like the Science and Technology Information Service (STIS) at Mount Allison University to become fully recognized and used.

STIS is funded under the Canada-New Brunswick subsidiary agreement on industrial innovation and technology development for technology information transfer.

The program is meant to encourage entrepreneurship and stimulate technology development and application in the province.

The local program began earlier this year with a \$69,000 grant. It is located in the Mount Allison University Library and operated by Ontario native Diane Buhay, who now resides in Saint John.

Buhay holds a BSc, a masters in library information science and a doctorate in optometry.

Describing the information transfer centre, Buhay says the program is designed to improve technology monitoring, forecasting and networking within the province so that all parties have better access to current scientific and technological information.

It gathers up-to-date scientific findings and information on how it applies to New Brunswick and makes it available to the public.

Buhay says she is in the first phase of the operation — expected to require 12 months — which includes a trial implementation, development of procedures and policies. She expects the program to be fully operational in 1990.

The first job is to make entrepreneurs them aware of the service. She thus has had to identify the parties to be served and let them know of her work.

She believes this has been fairly successful since several people contacted have returned with requests, followed up with positive appraisals. But, she cautioned that a similar service at the University of Waterloo required three years to become fully successful.

Through her computer Buhay has access to hundreds of data bases as well as a wealth of material within the university library.

"If a client wishes information we don't have here it's usually only a matter of seconds in locating it with the computer," she says. "If the request is for technological information on forestry, for example, we would merely turn to University of New Brunswick for assistance."

Buhay said a similar program is under way at UNB in Fredericton and the University of Moncton is attempting to obtain a similar service.

While extended funding for a continuation of the service from Sackville has not been announced, indications are that it will come. It is expected to become self-sustaining after five years.

Buhay explained that there is no charge for information available from local sources but a nominal fee is charged for information from elsewhere. It is expected that the demand for such services will be enough to offset the costs of operating the office.

Currently Buhay is developing a directory of scientific expertise in the province. She is contacting researchers and seeking summaries of research activities which will be placed in the information base.

Most of the requests come from small and medium size businesses although the local information service can also offer assistance to larger firms, she said.

"We ask our clients to complete an assessment of our service," she said, "and everyone to date has been very positive. This should indicate we are on the right track and business should grow as our reputation spreads."

The program operates under the director of the provincial Department of Commerce and Development.

Entrepreneurs or prospective entrepreneurs requiring any type of scientific information may contact Buhay at her office in the Mount Allison Library or by phoning her at (506) 364-2617.

APPENDIX E

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 1

March 10, 1989

CHEMICAL SAFETY

WHMIS Regulations

The WHMIS (Workplace Hazardous Materials Information System and Safety Act) Regulation, effective October 21/88, requires that employers obtain material safety data sheets (MSDS) for controlled products. Controlled products include the following six classes:

- * Compressed Gas
- * Flammable and Combustible Material
- * Oxidizing Material
- * Poisonous and Infectious Material:
 1. Materials Causing Immediate and Serious Toxic Effects
 2. Materials Causing Other Toxic Effects
 3. Biohazardous Infectious Material
- * Corrosive Material
- * Dangerously Reactive Material

The Canadian Centre for Occupational Health and Safety has developed numerous chemical databases that are accessible on the CD-ROM (compact disc - read only memory) CCINFodisc. One of the databases on this CD-ROM contains thousands of MSDSs that have been acquired from chemical manufacturers and distributors. They provide information in the areas of fire and explosion hazard data, spill or leak procedures, emergency and first aid procedures, etc.

To aid you in complying with WHMIS regulations chemical information, from CCINFodisc, can be obtained from the Science and Technology Information Service Office (STIS) at a nominal fee.

DATABASE INFO

The INSPEC database covers the years 1970 to present. The fields it covers include electrical and electronic engineering, computer and control technology and physics. This database contains approximately 3 million references with some of the principal subject areas including electronic instrumentation, acoustics, and circuits and components.

GENERAL

STIS recognizes the importance of small and medium sized businesses in New Brunswick and hopes to provide them with the information they need to succeed.

For further information
contact: Diane Buhay at
Mount Allison University
Library, STIS, 364-2569



SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 2

April 17, 1989

CURRENT AWARENESS

Let STIS make it easier to keep current with the latest developments in your field! A current awareness service, or more commonly referred to as SDI (Selective Dissemination of Information) Service, is now available through the STIS office.

SDI service is an effective method for receiving the most current information on topics of interest. The SDI service can be applied on a regular basis, e.g. monthly, weekly, daily, to greater than 100 computerized databases. A strategy (profile) is developed that will retrieve data tailored to your specific needs. This service is ideal for following timely issues. The following is a sample of the databases for which this service is offered:

Agriculture
AGRIBUSINESS

Chemistry
ANALYTICAL ABSTRACTS

Computer Technology
MICROCOMPUTER INDEX

Engineering
INSPEC

Medicine and Biosciences
BIOSIS PREVIEWS

Patents and Trademarks
WORLD PATENTS INDEX

To provide you with automatic updates please contact the STIS Office.

DATABASE INFO

The MICROCOMPUTER SOFTWARE GUIDE database contains current information on most software programmes available in North America. Each record includes a brief description, as well as technical specifications and ordering details. Included are software for the following systems: Apple II family, Apple Macintosh, Atari, Commodore, Hewlett-Packard, IBM PC, Radio Shack, Texas Instruments, UNIX, and Xerox Micros.

NEW TITLES

*Encyclopedia of Physical Science and Technology, 1987

*Georges Bank, 1987

For further information contact: Diane Buhay at Mount Allison University Library, STIS, 364-2569

The following records are samples of the type of information which is available in the MICROCOMPUTER SOFTWARE GUIDE database:

TITLE: Formula 4
VERSION: 1.16
COMPATIBLE HARDWARE: IBM PC, PC XT, PC AT
OPERATING SYSTEM(S) REQUIRED: MS-DOS 2.X, 3.X
LANGUAGE(S): C
DEMO DISK AVAIL.
MEMORY REQUIRED: 256 k
PRICE INFORMATION: DISK \$695.00
MANUAL AVAIL. WARRANTY INCL.
ANNOTATION: Relational data base applications generator, menu-driven format allows the user to create personalized data bases, format reports & output, & create user menus with automatic documentation at the user's specifications, designed with the untrained user in mind & provides a query language for generation of reports using English commands. Has the ability to access up to one billion records with up to 100 fields per record. Reports can be generated from six files at one time.
PUBLISHER: Morgan Computing Co., Inc.
ADDRESS: P.O. Box 112730
Carrollton, TX 75011
TELEPHONE: 214-245-4763

TITLE: The HyperCard
NO. OF PARTS: 4 disks
COMPATIBLE HARDWARE: Apple Macintosh Plus, Macintosh SE, Mac II
MEMORY REQUIRED: 1024k
PRICE INFORMATION: \$49.00
ANNOTATION: Graphically based data management application. The graphic interface enables users to easily organize information without having to learn a script language. Package includes a number of ready-made templates such as: area code listings, address book, date book, phone directory, file index, a list of quotations, & HyperCalc - a math program. These templates can be used for entering informations or as foundations for user's own designs. Employs the concept of HyperText - text, images, & data are linked to other text, images, & data by buttons.
PUBLISHER: Apple Computer, Inc.
ADDRESS: 520 Madison Ave., 34th Flr.
New York, NY 10022
TELEPHONE: 212-308-8500
ORDERING INFORMATION: 130 Parkway Plaza
Charlotte, NC 282105
704-525-8120

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 3

June 9, 1989

NEW SERVICE!

The STIS Office is pleased to announce the beginning of a new service designed to make technological information, in the form of patents, more easily accessible to the public. Small and medium-sized businesses, research institutes, industry associations and other organizations will be able to benefit from this service by being provided with this free-of-charge patent technology search service. The objective of this service is to identify patents which will assist you to:

- * avoid duplication of research and development;
- * develop a new and improved product/process;
- * find a solution to a specific technical problem;
- * locate sources of know-how or licensing opportunities; and
- * monitor activities of competitors.

The Intellectual Property Directorate is also supplying the STIS Office with copies of their publications which include titles such as:

- * Industrial Design: Questions and Answers
- * Industrial Designs: An Introduction
- * Trade Marks: Questions and Answers
- * Copyright: Questions and Answers
- * Patents: Questions and Answers

For more information on patents please read the reverse side.

DATABASE INFO

The CONFERENCE PAPERS INDEX database includes the subject areas of the life sciences, chemistry, physical sciences, geosciences and engineering. It provides information on current research and development from papers that are presented at more than 1,000 major scientific and technical meetings held yearly.

GENERAL

STIS has received an update for the CD-ROM CCINFodisc published by the Canadian Centre for Occupational Health and Safety. For MSDS information contact STIS.

For further information contact: Diane Buhay at Mount Allison University Library, STIS, 364-2569

WHAT IS A CANADIAN PATENT?

A Canadian patent is a document by which the government grants an inventor the right to exclude others from making, using or selling an invention within Canada for a period of 17 years. The inventor, for his or her part, must fully describe the invention. This disclosure facilitates the dissemination of technological information and promotes the use of the invention.

WHAT TYPES OF SUBJECT MATTER ARE DEALT WITH BY COPYRIGHT, INDUSTRIAL DESIGN AND TRADE MARKS RATHER THAN BY PATENTS?

Copyright deals with original literary, musical, dramatic and artistic works. The term of a copyright is for the life of the author plus 50 years. Industrial design deals with the appearance or visual design aspects of any article of manufacture. This includes any shape, feature or ornamentation, the object of which is an aesthetic effect. Functional or useful features may not be the subject of an industrial design. The term of an industrial design is for five years and is renewable for an additional five years only. A trade mark is a word, symbol or picture, or any combination thereof, used to distinguish the goods or services of a person or organization from the goods or services of others in the marketplace. The term of a trade mark is for 15 years and is renewable every 15 years, indefinitely.

WHAT IS A PATENTABLE INVENTION?

A patentable invention is any new or useful process, machine, method of manufacture or composition of matter, or any new and useful improvement thereof, which is not obvious to someone skilled in the particular field (i.e., which shows "inventive ingenuity").

WHAT SUBJECT MATTER IS UNPATENTABLE?

Among the things which are not normally patentable are an improvement to a known device which would be obvious to a person skilled in the art, a principle, a recipe, a design, a computer programme, an idea or a process (or the product of a process) that depends entirely on a person's skill and leads to an ornamental effect.

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 4

July 7, 1989

CD-ROM PRODUCTS

One of the newest ways to access information is by searching CD-ROMs. CD-ROMs (compact disk - read only memory) are optical disks similar in appearance to compact audio disks. A CD-ROM can hold the same amount of information as approximately 250,000 pages of text or The Encyclopaedia Britannica. The information is stored on the disk by a mechanical means and the information is read by a laser and interpreted by a microcomputer. Some of the databases which I have discussed in the past are available in the CD-ROM format.

For the next 2 months, in addition to the CCINFodisc, STIS will have CD-ROM products on the ENVIRONMENT and the EARTH SCIENCES.

The CD-ROM product CCINFodisc is made up of many databases including the following:

TRADE NAMES - information on chemical trade name products based on manufacturer/supplier material safety data sheets.

CHEMINFO - information on pure chemicals, natural substances and mixtures which result from industrial processes.

PEST MANAGEMENT RESEARCH INFORMATION SYSTEM - covers many aspects of pest control product development.

If you are interested in chemical, environmental or geological information or would just like a demonstration please call 364-2569.

DATABASE INFO

The AQUATIC SCIENCES AND FISHERIES ABSTRACT database covers the science, technology and management of marine and freshwater environments and resources. Coverage includes fisheries (harvesting, processing, and marketing), fish products, ocean engineering, and marine technology, as well as related subjects.

NEW PUBLICATION!

Government Business Opportunities is a bilingual weekly which provides information on Federal procurement opportunities as well as General Contract Award Notices.

For further information contact: Diane Buhay at Mount Allison University Library, STIS, 364-2569

The following represent sample records from the Aquatic Sciences and Fisheries Abstracts:

TITLE: Aquaculture and the Salmon Genetics Research Program.

AUTHOR: Friars, G.W.

JOURNAL: BULL. AQUACULT. ASSOC. CAN. BULL. ASSOC. AQUAC. CAN., no. 88-1, pp. 30-33, (1988).

ABSTRACT:

The Salmon Genetics Research Program applies genetics and related sciences to the breeding of Atlantic salmon (*Salmo salar*). Jointly funded by the federal Department of Fisheries and Oceans and the Atlantic Salmon Federation, it was initiated in 1974 to examine the influence of genetics and environment on salmon growth and development in fresh water, migration to sea, growth at sea and subsequent return. The program is in the penultimate year of its third five-year contract. In the following article Gerry Friars, Chief Scientist with the program, explains the relevance of their work to aquaculture.

TITLE: Moving it live: Fresh fish from farm to processor.

AUTHOR: Doherty, T.J.

JOURNAL: CAN. AQUACULT., vol. 4, no. 1, pp. 40-44, (1988).

ABSTRACT:

The author discusses the advantages of transporting live British Columbia salmon (*Oncorhynchus*) from fish farms to markets, using converted seiners and other craft modified to navigate around the farms.

TITLE: Study on the mass-cultivation technique of feed.

AUTHOR: Ito, S.; Naoe, S.

JOURNAL: CAN. TRANSL. FISH. AQUAT. SCI., no. 5359, 1988., 25 pp

DOC TYPE: Book

REPORT NO.: ISSN 0704-3716

ABSTRACT:

Since 1965, research studies related to the mass-culture of feed, which is fundamental in the artificial seed-collection of bivalve, have been in progress. Rearing-tests of the free-swimming larvae of bivalves in different species were conducted with the use of feeds: feed which are becoming easily cultivated in large quantity, and feed which can be easily obtained from the manufacturer. The effectiveness of the feeds and their problems were examined. (Available from: Canada Inst. Sci. Tech. Inf. Natl. Res. Council., Ottawa, Ont. K1A 0S2)

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 5

August 25, 1989

DATABASE INFO

The TEXTILE TECHNOLOGY DIGEST database covers the years 1978 to present. It provides international coverage of the textile literature. More than 650 journals, as well as books, theses, patents, standards, conferences and directories are scanned in order to provide references. Coverage includes the many aspects of textile production, processing and the management of these operations.

Subject coverage includes:

- * testing and measurement
- * laundering, drycleaning, care labelling
- * apparel design and production
- * dyeing and finishing of textiles
- * industrial fabrics, surgical products, home furnishings
- * geotextiles, composites, ropes
- * polymers, manmade fibres, natural fibres
- * conservation and preservation of textiles
- * machinery and parts for mills and labs
- * home economics, consumerism, retailing
- * chemicals, dyes, resins, catalysts
- * pollution, carcinogens, safety, energy
- * marketing, quality control, statistics
- * yarn and fabric manufacturing techniques
- * conferences, forecasts, education, research
- * physics, biology, chemistry, general sciences
- * management, industrial engineering, unions

For further information on this database and other databases contact Diane Buhay at telephone (506) 364-2569 or fax (506) 364-2617 or in person at the Ralph Pickard Bell Library at Mount Allison University.

PRESS RELEASE

MOUNT ALLISON UNIVERSITY INITIATES INFORMATION TRANSFER PROGRAM

SACKVILLE (NB) - March 1989 - The Ralph Pickard Bell Library at Mount Allison University in Sackville will receive federal / provincial assistance to develop an effective Information Transfer Program which will directly benefit the business communities of New Brunswick.

The announcement was made today by the Hon. Elmer MacKay, Minister responsible for the Atlantic Canada Opportunities Agency, and Marilyn Trenholme, M.L.A. for Tantramar, on behalf of Al Lacey, New Brunswick's Minister of Commerce and Technology.

According to the university's head librarian, Tom Eadie, the Information Transfer Program will require the purchase of a facsimile machine and a microcomputer complete with modem and CD-ROM Reader, plus 12 months salary for a new library information transfer coordinator.

"Through this program, Mount Allison University proposes to improve the effectiveness of the university in transferring scientific and technological information from the library to entrepreneurs, innovators and researchers throughout New Brunswick," said Mr. Eadie. "This initiative is designed to strengthen the cooperative network of resource sharing which already exists between other universities, the public and libraries around the province."

Mr. Eadie said the library will place special emphasis on assisting the private sector in accessing scientific and technological information. He also stated that the university anticipates that the program will result in establishing a library service providing business with access to international, online electronic data bases.

"The universities in this province are playing a major role in creating the technology information transfer network in New Brunswick," said Mr. MacKay. "Mount Allison is a necessary and welcome addition to this valuable network."

"This initiative is part of an overall development plan for the library to provide a greater sharing of resources within the province and develop services targeted at the business community," said Mrs. Trenholme.

Mount Allison University is a coeducational, residential university, restricted in enrolment to approximately 1,700 undergraduate students. Both general and honours programs are offered in the Arts and Sciences, and a certificate program is offered in Engineering, Secretarial Studies and Bilingualism. The Ralph Pickard Bell Library opened in 1970 to serve both the academic and business communities as well as the general public. It houses 400,000 volumes and seats 500.

Mount Allison University will receive a total of \$62,515 in assistance under the Canada/New Brunswick Subsidiary Agreement on Industrial Innovation and Technology Development. The federal share is \$43,760 and the provincial share is \$18,755.

The Ministry of State for Science and Technology is a signatory to the Canada/New Brunswick Subsidiary Agreement on Industrial Innovation and Technology Development which is administered by ACOA and the Department of Commerce and Technology.

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 2

April 17, 1989

CURRENT AWARENESS

Let STIS make it easier to keep current with the latest developments in your field! A current awareness service, or more commonly referred to as SDI (Selective Dissemination of Information) Service, is now available through the STIS office.

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AGRIBUSINESS

Chemistry
ANALYTICAL ABSTRACTS

Computer Technology
MICROCOMPUTER INDEX

Engineering
INSPEC

Medicine and Biosciences
BIOSIS PREVIEWS

Patents and Trademarks
WORLD PATENTS INDEX

To provide you with automatic updates please contact the STIS Office.

DATABASE INFO

The MICROCOMPUTER SOFTWARE GUIDE database contains current information on most software programmes available in North America. Each record includes a brief description, as well as technical specifications and ordering details. Included are software for the following systems: Apple II family, Apple Macintosh, Atari, Commodore, Hewlett-Packard, IBM PC, Radio Shack, Texas Instruments, UNIX, and Xerox Micros.

NEW TITLES

*Encyclopedia of Physical Science and Technology, 1987

*Georges Bank, 1987

For further information contact: Diane Buhay at Mount Allison University Library, STIS, 364-2569

The following records are samples of the type of information which is available in the MICROCOMPUTER SOFTWARE GUIDE database:

TITLE: Formula 4
VERSION: 1.16
COMPATIBLE HARDWARE: IBM PC, PC XT, PC AT
OPERATING SYSTEM(S) REQUIRED: MS-DOS 2.X, 3.X
LANGUAGE(S): C
DEMO DISK AVAIL.
MEMORY REQUIRED: 256 k
PRICE INFORMATION: DISK \$695.00
MANUAL AVAIL. WARRANTY INCL.
ANNOTATION: Relational data base applications generator, menu-driven format allows the user to create personalized data bases, format reports & output, & create user menus with automatic documentation at the user's specifications, designed with the untrained user in mind & provides a query language for generation of reports using English commands. Has the ability to access up to one billion records with up to 100 fields per record. Reports can be generated from six files at one time.
PUBLISHER: Morgan Computing Co., Inc.
ADDRESS: P.O. Box 112730
Carrollton, TX 75011
TELEPHONE: 214-245-4763

TITLE: The HyperCard
NO. OF PARTS: 4 disks
COMPATIBLE HARDWARE: Apple Macintosh Plus, Macintosh SE, Mac II
MEMORY REQUIRED: 1024k
PRICE INFORMATION: \$49.00
ANNOTATION: Graphically based data management application. The graphic interface enables users to easily organize information without having to learn a script language. Package includes a number of ready-made templates such as: area code listings, address book, date book, phone directory, file index, a list of quotations, & HyperCalc - a math program. These templates can be used for entering informations or as foundations for user's own designs. Employs the concept of HyperText - text, images, & data are linked to other text, images, & data by buttons.
PUBLISHER: Apple Computer, Inc.
ADDRESS: 520 Madison Ave., 34th Flr.
New York, NY 10022
TELEPHONE: 212-308-8500
ORDERING INFORMATION: 130 Parkway Plaza
Charlotte, NC 282105
704-525-8120

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 3

June 9, 1989

NEW SERVICE!

The STIS Office is pleased to announce the beginning of a new service designed to make technological information, in the form of patents, more easily accessible to the public. Small and medium-sized businesses, research institutes, industry associations and other organizations will be able to benefit from this service by being provided with this free-of-charge patent technology search service. The objective of this service is to identify patents which will assist you to:

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The Intellectual Property Directorate is also supplying the STIS Office with copies of their publications which include titles such as:

- * Industrial Design: Questions and Answers
- * Industrial Designs: An Introduction
- * Trade Marks: Questions and Answers
- * Copyright: Questions and Answers
- * Patents: Questions and Answers

For more information on patents please read the reverse side.

DATABASE INFO

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GENERAL

STIS has received an update for the CD-ROM CCINFODisc published by the Canadian Centre for Occupational Health and Safety. For MSDS information contact STIS.

For further information contact: Diane Buhay at Mount Allison University Library, STIS, 364-2569

WHAT IS A CANADIAN PATENT?

A Canadian patent is a document by which the government grants an inventor the right to exclude others from making, using or selling an invention within Canada for a period of 17 years. The inventor, for his or her part, must fully describe the invention. This disclosure facilitates the dissemination of technological information and promotes the use of the invention.

WHAT TYPES OF SUBJECT MATTER ARE DEALT WITH BY COPYRIGHT, INDUSTRIAL DESIGN AND TRADE MARKS RATHER THAN BY PATENTS?

Copyright deals with original literary, musical, dramatic and artistic works. The term of a copyright is for the life of the author plus 50 years. Industrial design deals with the appearance or visual design aspects of any article of manufacture. This includes any shape, feature or ornamentation, the object of which is an aesthetic effect. Functional or useful features may not be the subject of an industrial design. The term of an industrial design is for five years and is renewable for an additional five years only. A trade mark is a word, symbol or picture, or any combination thereof, used to distinguish the goods or services of a person or organization from the goods or services of others in the marketplace. The term of a trade mark is for 15 years and is renewable every 15 years, indefinitely.

WHAT IS A PATENTABLE INVENTION?

A patentable invention is any new or useful process, machine, method of manufacture or composition of matter, or any new and useful improvement thereof, which is not obvious to someone skilled in the particular field (i.e., which shows "inventive ingenuity").

WHAT SUBJECT MATTER IS UNPATENTABLE?

Among the things which are not normally patentable are an improvement to a known device which would be obvious to a person skilled in the art, a principle, a recipe, a design, a computer programme, an idea or a process (or the product of a process) that depends entirely on a person's skill and leads to an ornamental effect.

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 4

July 7, 1989

CD-ROM PRODUCTS

One of the newest ways to access information is by searching CD-ROMs. CD-ROMs (compact disk - read only memory) are optical disks similar in appearance to compact audio disks. A CD-ROM can hold the same amount of information as approximately 250,000 pages of text or The Encyclopaedia Britannica. The information is stored on the disk by a mechanical means and the information is read by a laser and interpreted by a microcomputer. Some of the databases which I have discussed in the past are available in the CD-ROM format.

For the next 2 months, in addition to the CCINFODisc, STIS will have CD-ROM products on the ENVIRONMENT and the EARTH SCIENCES.

The CD-ROM product CCINFODisc is made up of many databases including the following:

TRADE NAMES - information on chemical trade name products based on manufacturer/supplier material safety data sheets.

CHEMINFO - information on pure chemicals, natural substances and mixtures which result from industrial processes.

PEST MANAGEMENT RESEARCH INFORMATION SYSTEM - covers many aspects of pest control product development.

If you are interested in chemical, environmental or geological information or would just like a demonstration please call 364-2569.

DATABASE INFO

The AQUATIC SCIENCES AND FISHERIES ABSTRACT database covers the science, technology and management of marine and freshwater environments and resources. Coverage includes fisheries (harvesting, processing, and marketing), fish products, ocean engineering, and marine technology, as well as related subjects.

NEW PUBLICATION!

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For further information contact: Diane Buhay at Mount Allison University Library, STIS, 364-2569

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TITLE: Aquaculture and the Salmon Genetics Research Program.

AUTHOR: Friars, G.W.

JOURNAL: BULL. AQUACULT. ASSOC. CAN. BULL. ASSOC. AQUAC. CAN., no. 88-1, pp. 30-33, (1988).

ABSTRACT:

The Salmon Genetics Research Program applies genetics and related sciences to the breeding of Atlantic salmon (*Salmo salar*). Jointly funded by the federal Department of Fisheries and Oceans and the Atlantic Salmon Federation, it was initiated in 1974 to examine the influence of genetics and environment on salmon growth and development in fresh water, migration to sea, growth at sea and subsequent return. The program is in the penultimate year of its third five-year contract. In the following article Gerry Friars, Chief Scientist with the program, explains the relevance of their work to aquaculture.

TITLE: Moving it live: Fresh fish from farm to processor.

AUTHOR: Doherty, T.J.

JOURNAL: CAN. AQUACULT., vol. 4, no. 1, pp. 40-44, (1988).

ABSTRACT:

The author discusses the advantages of transporting live British Columbia salmon (*Oncorhynchus*) from fish farms to markets, using converted seiners and other craft modified to navigate around the farms.

TITLE: Study on the mass-cultivation technique of feed.

AUTHOR: Ito, S.; Naoe, S.

JOURNAL: CAN. TRANSL. FISH. AQUAT. SCI., no. 5359, 1988., 25 pp

DOC TYPE: Book

REPORT NO.: ISSN 0704-3716

ABSTRACT:

Since 1965, research studies related to the mass-culture of feed, which is fundamental in the artificial seed-collection of bivalve, have been in progress. Rearing-tests of the free-swimming larvae of bivalves in different species were conducted with the use of feeds: feed which are becoming easily cultivated in large quantity, and feed which can be easily obtained from the manufacturer. The effectiveness of the feeds and their problems were examined. (Available from: Canada Inst. Sci. Tech. Inf. Natl. Res. Council, Ottawa, Ont. K1A 0S2)

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 5

August 25, 1989

DATABASE INFO

The TEXTILE TECHNOLOGY DIGEST database covers the years 1978 to present. It provides international coverage of the textile literature. More than 650 journals, as well as books, theses, patents, standards, conferences and directories are scanned in order to provide references. Coverage includes the many aspects of textile production, processing and the management of these operations.

Subject coverage includes:

- * testing and measurement
- * laundering, drycleaning, care labelling
- * apparel design and production
- * dyeing and finishing of textiles
- * industrial fabrics, surgical products, home furnishings
- * geotextiles, composites, ropes
- * polymers, manmade fibres, natural fibres
- * conservation and preservation of textiles
- * machinery and parts for mills and labs
- * home economics, consumerism, retailing
- * chemicals, dyes, resins, catalysts
- * pollution, carcinogens, safety, energy
- * marketing, quality control, statistics
- * yarn and fabric manufacturing techniques
- * conferences, forecasts, education, research
- * physics, biology, chemistry, general sciences
- * management, industrial engineering, unions

For further information on this database and other databases contact Diane Buhay at telephone (506) 364-2569 or fax (506) 364-2617 or in person at the Ralph Pickard Bell Library at Mount Allison University.

PRESS RELEASE

MOUNT ALLISON UNIVERSITY INITIATES INFORMATION TRANSFER PROGRAM

SACKVILLE (NB) - March 1989 - The Ralph Pickard Bell Library at Mount Allison University in Sackville will receive federal / provincial assistance to develop an effective Information Transfer Program which will directly benefit the business communities of New Brunswick.

The announcement was made today by the Hon. Elmer MacKay, Minister responsible for the Atlantic Canada Opportunities Agency, and Marilyn Trenholme, M.L.A. for Tantramar, on behalf of Al Lacey, New Brunswick's Minister of Commerce and Technology.

According to the university's head librarian, Tom Eadie, the Information Transfer Program will require the purchase of a facsimile machine and a microcomputer complete with modem and CD-ROM Reader, plus 12 months salary for a new library information transfer coordinator.

"Through this program, Mount Allison University proposes to improve the effectiveness of the university in transferring scientific and technological information from the library to entrepreneurs, innovators and researchers throughout New Brunswick," said Mr. Eadie. "This initiative is designed to strengthen the cooperative network of resource sharing which already exists between other universities, the public and libraries around the province."

Mr. Eadie said the library will place special emphasis on assisting the private sector in accessing scientific and technological information. He also stated that the university anticipates that the program will result in establishing a library service providing business with access to international, online electronic data bases.

"The universities in this province are playing a major role in creating the technology information transfer network in New Brunswick," said Mr. MacKay. "Mount Allison is a necessary and welcome addition to this valuable network."

"This initiative is part of an overall development plan for the library to provide a greater sharing of resources within the province and develop services targeted at the business community," said Mrs. Trenholme.

Mount Allison University is a coeducational, residential university, restricted in enrolment to approximately 1,700 undergraduate students. Both general and honours programs are offered in the Arts and Sciences, and a certificate program is offered in Engineering, Secretarial Studies and Bilingualism. The Ralph Pickard Bell Library opened in 1970 to serve both the academic and business communities as well as the general public. It houses 400,000 volumes and seats 500.

Mount Allison University will receive a total of \$62,515 in assistance under the Canada/New Brunswick Subsidiary Agreement on Industrial Innovation and Technology Development. The federal share is \$43,760 and the provincial share is \$18,755.

The Ministry of State for Science and Technology is a signatory to the Canada/New Brunswick Subsidiary Agreement on Industrial Innovation and Technology Development which is administered by ACOA and the Department of Commerce and Technology.

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 2

April 17, 1989

CURRENT AWARENESS

Let STIS make it easier to keep current with the latest developments in your field! A current awareness service, or more commonly referred to as SDI (Selective Dissemination of Information) Service, is now available through the STIS office.

SDI service is an effective method for receiving the most current information on topics of interest. The SDI service can be applied on a regular basis, e.g. monthly, weekly, daily, to greater than 100 computerized databases. A strategy (profile) is developed that will retrieve data tailored to your specific needs. This service is ideal for following timely issues. The following is a sample of the databases for which this service is offered:

Agriculture
AGRIBUSINESS

Chemistry
ANALYTICAL ABSTRACTS

Computer Technology
MICROCOMPUTER INDEX

Engineering
INSPEC

Medicine and Biosciences
BIOSIS PREVIEWS

Patents and Trademarks
WORLD PATENTS INDEX

To provide you with automatic updates please contact the STIS Office.

DATABASE INFO

The MICROCOMPUTER SOFTWARE GUIDE database contains current information on most software programmes available in North America. Each record includes a brief description, as well as technical specifications and ordering details. Included are software for the following systems: Apple II family, Apple Macintosh, Atari, Commodore, Hewlett-Packard, IBM PC, Radio Shack, Texas Instruments, UNIX, and Xerox Micros.

NEW TITLES

*Encyclopedia of Physical Science and Technology, 1987

*Georges Bank, 1987

For further information contact: Diane Buhay at Mount Allison University Library, STIS, 364-2569

The following records are samples of the type of information which is available in the MICROCOMPUTER SOFTWARE GUIDE database:

TITLE: Formula 4
VERSION: 1.16
COMPATIBLE HARDWARE: IBM PC, PC XT, PC AT
OPERATING SYSTEM(S) REQUIRED: MS-DOS 2.X, 3.X
LANGUAGE(S): C
DEMO DISK AVAIL.
MEMORY REQUIRED: 256 k
PRICE INFORMATION: DISK \$695.00
MANUAL AVAIL. WARRANTY INCL.
ANNOTATION: Relational data base applications generator, menu-driven format allows the user to create personalized data bases, format reports & output, & create user menus with automatic documentation at the user's specifications, designed with the untrained user in mind & provides a query language for generation of reports using English commands. Has the ability to access up to one billion records with up to 100 fields per record. Reports can be generated from six files at one time.
PUBLISHER: Morgan Computing Co., Inc.
ADDRESS: P.O. Box 112730
Carrollton, TX 75011
TELEPHONE: 214-245-4763

TITLE: The HyperCard
NO. OF PARTS: 4 disks
COMPATIBLE HARDWARE: Apple Macintosh Plus, Macintosh SE, Mac II
MEMORY REQUIRED: 1024k
PRICE INFORMATION: \$49.00
ANNOTATION: Graphically based data management application. The graphic interface enables users to easily organize information without having to learn a script language. Package includes a number of ready-made templates such as: area code listings, address book, date book, phone directory, file index, a list of quotations, & HyperCalc - a math program. These templates can be used for entering informations or as foundations for user's own designs. Employs the concept of HyperText - text, images, & data are linked to other text, images, & data by buttons.
PUBLISHER: Apple Computer, Inc.
ADDRESS: 520 Madison Ave., 34th Flr.
New York, NY 10022
TELEPHONE: 212-308-8500
ORDERING INFORMATION: 130 Parkway Plaza
Charlotte, NC 282105
704-525-8120

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 3

June 9, 1989

NEW SERVICE!

The STIS Office is pleased to announce the beginning of a new service designed to make technological information, in the form of patents, more easily accessible to the public. Small and medium-sized businesses, research institutes, industry associations and other organizations will be able to benefit from this service by being provided with this free-of-charge patent technology search service. The objective of this service is to identify patents which will assist you to:

- * avoid duplication of research and development;
- * develop a new and improved product/process;
- * find a solution to a specific technical problem;
- * locate sources of know-how or licensing opportunities; and
- * monitor activities of competitors.

The Intellectual Property Directorate is also supplying the STIS Office with copies of their publications which include titles such as:

- * Industrial Design: Questions and Answers
- * Industrial Designs: An Introduction
- * Trade Marks: Questions and Answers
- * Copyright: Questions and Answers
- * Patents: Questions and Answers

For more information on patents please read the reverse side.

DATABASE INFO

The CONFERENCE PAPERS INDEX database includes the subject areas of the life sciences, chemistry, physical sciences, geosciences and engineering. It provides information on current research and development from papers that are presented at more than 1,000 major scientific and technical meetings held yearly.

GENERAL

STIS has received an update for the CD-ROM CCINFodisc published by the Canadian Centre for Occupational Health and Safety. For MSDS information contact STIS.

For further information contact: Diane Buhay at Mount Allison University Library, STIS, 364-2569

WHAT IS A CANADIAN PATENT?

A Canadian patent is a document by which the government grants an inventor the right to exclude others from making, using or selling an invention within Canada for a period of 17 years. The inventor, for his or her part, must fully describe the invention. This disclosure facilitates the dissemination of technological information and promotes the use of the invention.

WHAT TYPES OF SUBJECT MATTER ARE DEALT WITH BY COPYRIGHT, INDUSTRIAL DESIGN AND TRADE MARKS RATHER THAN BY PATENTS?

Copyright deals with original literary, musical, dramatic and artistic works. The term of a copyright is for the life of the author plus 50 years. Industrial design deals with the appearance or visual design aspects of any article of manufacture. This includes any shape, feature or ornamentation, the object of which is an aesthetic effect. Functional or useful features may not be the subject of an industrial design. The term of an industrial design is for five years and is renewable for an additional five years only. A trade mark is a word, symbol or picture, or any combination thereof, used to distinguish the goods or services of a person or organization from the goods or services of others in the marketplace. The term of a trade mark is for 15 years and is renewable every 15 years, indefinitely.

WHAT IS A PATENTABLE INVENTION?

A patentable invention is any new or useful process, machine, method of manufacture or composition of matter, or any new and useful improvement thereof, which is not obvious to someone skilled in the particular field (i.e., which shows "inventive ingenuity").

WHAT SUBJECT MATTER IS UNPATENTABLE?

Among the things which are not normally patentable are an improvement to a known device which would be obvious to a person skilled in the art, a principle, a recipe, a design, a computer programme, an idea or a process (or the product of a process) that depends entirely on a person's skill and leads to an ornamental effect.

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 4

July 7, 1989

CD-ROM PRODUCTS

One of the newest ways to access information is by searching CD-ROMs. CD-ROMs (compact disk - read only memory) are optical disks similar in appearance to compact audio disks. A CD-ROM can hold the same amount of information as approximately 250,000 pages of text or The Encyclopaedia Britannica. The information is stored on the disk by a mechanical means and the information is read by a laser and interpreted by a microcomputer. Some of the databases which I have discussed in the past are available in the CD-ROM format.

For the next 2 months, in addition to the CCINFODisc, STIS will have CD-ROM products on the ENVIRONMENT and the EARTH SCIENCES.

The CD-ROM product CCINFODisc is made up of many databases including the following:

TRADE NAMES - information on chemical trade name products based on manufacturer/supplier material safety data sheets.

CHEMINFO - information on pure chemicals, natural substances and mixtures which result from industrial processes.

PEST MANAGEMENT RESEARCH INFORMATION SYSTEM - covers many aspects of pest control product development.

If you are interested in chemical, environmental or geological information or would just like a demonstration please call 364-2569.

DATABASE INFO

The AQUATIC SCIENCES AND FISHERIES ABSTRACT database covers the science, technology and management of marine and freshwater environments and resources. Coverage includes fisheries (harvesting, processing, and marketing), fish products, ocean engineering, and marine technology, as well as related subjects.

NEW PUBLICATION!

Government Business Opportunities is a bilingual weekly which provides information on Federal procurement opportunities as well as General Contract Award Notices.

For further information contact: Diane Buhay at Mount Allison University Library, STIS, 364-2569

The following represent sample records from the Aquatic Sciences and Fisheries Abstracts:

TITLE: Aquaculture and the Salmon Genetics Research Program.
AUTHOR: Friars, G.W.
JOURNAL: BULL. AQUACULT. ASSOC. CAN. BULL. ASSOC. AQUAC. CAN., no. 88-1, pp. 30-33, (1988).

ABSTRACT:

The Salmon Genetics Research Program applies genetics and related sciences to the breeding of Atlantic salmon (*Salmo salar*). Jointly funded by the federal Department of Fisheries and Oceans and the Atlantic Salmon Federation, it was initiated in 1974 to examine the influence of genetics and environment on salmon growth and development in fresh water, migration to sea, growth at sea and subsequent return. The program is in the penultimate year of its third five-year contract. In the following article Gerry Friars, Chief Scientist with the program, explains the relevance of their work to aquaculture.

TITLE: Moving it live: Fresh fish from farm to processor.
AUTHOR: Doherty, T.J.
JOURNAL: CAN. AQUACULT., vol. 4, no. 1, pp. 40-44, (1988).
ABSTRACT:

The author discusses the advantages of transporting live British Columbia salmon (*Oncorhynchus*) from fish farms to markets, using converted seiners and other craft modified to navigate around the farms.

TITLE: Study on the mass-cultivation technique of feed.
AUTHOR: Ito, S.; Naoe, S.
JOURNAL: CAN. TRANSL. FISH. AQUAT. SCI., no. 5359, 1988., 25 pp
DOC TYPE: Book
REPORT NO.: ISSN 0704-3716
ABSTRACT:

Since 1965, research studies related to the mass-culture of feed, which is fundamental in the artificial seed-collection of bivalve, have been in progress. Rearing-tests of the free-swimming larvae of bivalves in different species were conducted with the use of feeds: feed which are becoming easily cultivated in large quantity, and feed which can be easily obtained from the manufacturer. The effectiveness of the feeds and their problems were examined. (Available from: Canada Inst. Sci. Tech. Inf. Natl. Res. Counc., Ottawa, Ont. K1A 0S2)

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 3

August 25, 1989

DATABASE INFO

The TEXTILE TECHNOLOGY DIGEST database covers the years 1978 to present. It provides international coverage of the textile literature. More than 650 journals, as well as books, theses, patents, standards, conferences and directories are scanned in order to provide references. Coverage includes the many aspects of textile production, processing and the management of these operations.

Subject coverage includes:

- * testing and measurement
- * laundering, drycleaning, care labelling
- * apparel design and production
- * dyeing and finishing of textiles
- * industrial fabrics, surgical products, home furnishings
- * geotextiles, composites, ropes
- * polymers, manmade fibres, natural fibres
- * conservation and preservation of textiles
- * machinery and parts for mills and labs
- * home economics, consumerism, retailing
- * chemicals, dyes, resins, catalysts
- * pollution, carcinogens, safety, energy
- * marketing, quality control, statistics
- * yarn and fabric manufacturing techniques
- * conferences, forecasts, education, research
- * physics, biology, chemistry, general sciences
- * management, industrial engineering, unions

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The announcement was made today by the Hon. Elmer MacKay, Minister responsible for the Atlantic Canada Opportunities Agency, and Marilyn Trenholme, M.L.A. for Tantramar, on behalf of Al Lacey, New Brunswick's Minister of Commerce and Technology.

According to the university's head librarian, Tom Eadie, the Information Transfer Program will require the purchase of a facsimile machine and a microcomputer complete with modem and CD-ROM Reader, plus 12 months salary for a new library information transfer coordinator.

"Through this program, Mount Allison University proposes to improve the effectiveness of the university in transferring scientific and technological information from the library to entrepreneurs, innovators and researchers throughout New Brunswick," said Mr. Eadie. "This initiative is designed to strengthen the cooperative network of resource sharing which already exists between other universities, the public and libraries around the province."

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"This initiative is part of an overall development plan for the library to provide a greater sharing of resources within the province and develop services targeted at the business community," said Mrs. Trenholme.

Mount Allison University is a coeducational, residential university, restricted in enrolment to approximately 1,700 undergraduate students. Both general and honours programs are offered in the Arts and Sciences, and a certificate program is offered in Engineering, Secretarial Studies and Bilingualism. The Ralph Pickard Bell Library opened in 1970 to serve both the academic and business communities as well as the general public. It houses 400,000 volumes and seats 500.

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The Ministry of State for Science and Technology is a signatory to the Canada/New Brunswick Subsidiary Agreement on Industrial Innovation and Technology Development which is administered by ACOA and the Department of Commerce and Technology.

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 2

April 17, 1989

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MICROCOMPUTER INDEX

Engineering
INSPEC

Medicine and Biosciences
BIOSIS PREVIEWS

Patents and Trademarks
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NEW TITLES

*Encyclopedia of Physical Science and Technology, 1987

*Georges Bank, 1987

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VERSION: 1.16
COMPATIBLE HARDWARE: IBM PC, PC XT, PC AT
OPERATING SYSTEM(S) REQUIRED: MS-DOS 2.X, 3.X
LANGUAGE(S): C
DEMO DISK AVAIL.
MEMORY REQUIRED: 256 k
PRICE INFORMATION: DISK \$695.00
MANUAL AVAIL. WARRANTY INCL.
ANNOTATION: Relational data base applications generator, menu-driven format allows the user to create personalized data bases, format reports & output, & create user menus with automatic documentation at the user's specifications, designed with the untrained user in mind & provides a query language for generation of reports using English commands. Has the ability to access up to one billion records with up to 100 fields per record. Reports can be generated from six files at one time.
PUBLISHER: Morgan Computing Co., Inc.
ADDRESS: P.O. Box 112730
Carrollton, TX 75011
TELEPHONE: 214-245-4763

TITLE: The HyperCard
NO. OF PARTS: 4 disks
COMPATIBLE HARDWARE: Apple Macintosh Plus, Macintosh SE, Mac II
MEMORY REQUIRED: 1024k
PRICE INFORMATION: \$49.00
ANNOTATION: Graphically based data management application. The graphic interface enables users to easily organize information without having to learn a script language. Package includes a number of ready-made templates such as: area code listings, address book, date book, phone directory, file index, a list of quotations, & HyperCalc - a math program. These templates can be used for entering informations or as foundations for user's own designs. Employs the concept of HyperText - text, images, & data are linked to other text, images, & data by buttons.
PUBLISHER: Apple Computer, Inc.
ADDRESS: 520 Madison Ave., 34th Flr.
New York, NY 10022
TELEPHONE: 212-308-8500
ORDERING INFORMATION: 130 Parkway Plaza
Charlotte, NC 282105
704-525-8120

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 3

June 9, 1989

NEW SERVICE !

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- * Industrial Design: Questions and Answers
- * Industrial Designs: An Introduction
- * Trade Marks: Questions and Answers
- * Copyright: Questions and Answers
- * Patents: Questions and Answers

For more information on patents please read the reverse side.

DATABASE INFO

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GENERAL

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A Canadian patent is a document by which the government grants an inventor the right to exclude others from making, using or selling an invention within Canada for a period of 17 years. The inventor, for his or her part, must fully describe the invention. This disclosure facilitates the dissemination of technological information and promotes the use of the invention.

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SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 4

July 7, 1989

CD-ROM PRODUCTS

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For the next 2 months, in addition to the CCINFODisc, STIS will have CD-ROM products on the ENVIRONMENT and the EARTH SCIENCES.

The CD-ROM product CCINFODisc is made up of many databases including the following:

TRADE NAMES - information on chemical trade name products based on manufacturer/supplier material safety data sheets.

CHEMINFO - information on pure chemicals, natural substances and mixtures which result from industrial processes.

PEST MANAGEMENT RESEARCH INFORMATION SYSTEM - covers many aspects of pest control product development.

If you are interested in chemical, environmental or geological information or would just like a demonstration please call 364-2569.

DATABASE INFO

The AQUATIC SCIENCES AND FISHERIES ABSTRACT database covers the science, technology and management of marine and freshwater environments and resources. Coverage includes fisheries (harvesting, processing, and marketing), fish products, ocean engineering, and marine technology, as well as related subjects.

NEW PUBLICATION!

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AUTHOR: Friars, G.W.
JOURNAL: BULL. AQUACULT. ASSOC. CAN. BULL. ASSOC. AQUAC. CAN., no. 88-1, pp. 30-33, (1988).

ABSTRACT:

The Salmon Genetics Research Program applies genetics and related sciences to the breeding of Atlantic salmon (*Salmo salar*). Jointly funded by the federal Department of Fisheries and Oceans and the Atlantic Salmon Federation, it was initiated in 1974 to examine the influence of genetics and environment on salmon growth and development in fresh water, migration to sea, growth at sea and subsequent return. The program is in the penultimate year of its third five-year contract. In the following article Gerry Friars, Chief Scientist with the program, explains the relevance of their work to aquaculture.

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DOC TYPE: Book
REPORT NO.: ISSN 0704-3716
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SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 3

August 23, 1989

DATABASE INFO

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Subject coverage includes:

- * testing and measurement
- * laundering, drycleaning, care labelling
- * apparel design and production
- * dyeing and finishing of textiles
- * industrial fabrics, surgical products, home furnishings
- * geotextiles, composites, ropes
- * polymers, manmade fibres, natural fibres
- * conservation and preservation of textiles
- * machinery and parts for mills and labs
- * home economics, consumerism, retailing
- * chemicals, dyes, resins, catalysts
- * pollution, carcinogens, safety, energy
- * marketing, quality control, statistics
- * yarn and fabric manufacturing techniques
- * conferences, forecasts, education, research
- * physics, biology, chemistry, general sciences
- * management, industrial engineering, unions

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SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 2

April 17, 1989

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AGRIBUSINESS

Chemistry
ANALYTICAL ABSTRACTS

Computer Technology
MICROCOMPUTER INDEX

Engineering
INSPEC

Medicine and Biosciences
BIOSIS PREVIEWS

Patents and Trademarks
WORLD PATENTS INDEX

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NEW TITLES

*Encyclopedia of Physical Science and Technology, 1987

*Georges Bank, 1987

For further information contact: Diane Buhay at Mount Allison University Library, STIS, 364-2569

The following records are samples of the type of information which is available in the MICROCOMPUTER SOFTWARE GUIDE database:

TITLE: Formula 4
VERSION: 1.16
COMPATIBLE HARDWARE: IBM PC, PC XT, PC AT
OPERATING SYSTEM(S) REQUIRED: MS-DOS 2.X, 3.X
LANGUAGE(S): C
DEMO DISK AVAIL.
MEMORY REQUIRED: 256 k
PRICE INFORMATION: DISK \$695.00
MANUAL AVAIL. WARRANTY INCL.
ANNOTATION: Relational data base applications generator, menu-driven format allows the user to create personalized data bases, format reports & output, & create user menus with automatic documentation at the user's specifications, designed with the untrained user in mind & provides a query language for generation of reports using English commands. Has the ability to access up to one billion records with up to 100 fields per record. Reports can be generated from six files at one time.
PUBLISHER: Morgan Computing Co., Inc.
ADDRESS: P.O. Box 112730
Carrollton, TX 75011
TELEPHONE: 214-245-4763

TITLE: The HyperCard
NO. OF PARTS: 4 disks
COMPATIBLE HARDWARE: Apple Macintosh Plus, Macintosh SE, Mac II
MEMORY REQUIRED: 1024k
PRICE INFORMATION: \$49.00
ANNOTATION: Graphically based data management application. The graphic interface enables users to easily organize information without having to learn a script language. Package includes a number of ready-made templates such as: area code listings, address book, date book, phone directory, file index, a list of quotations, & HyperCalc - a math program. These templates can be used for entering informations or as foundations for user's own designs. Employs the concept of HyperText - text, images, & data are linked to other text, images, & data by buttons.
PUBLISHER: Apple Computer, Inc.
ADDRESS: 520 Madison Ave., 34th Flr.
New York, NY 10022
TELEPHONE: 212-308-8500
ORDERING INFORMATION: 130 Parkway Plaza
Charlotte, NC 282105
704-525-8120

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 3

June 9, 1989

NEW SERVICE !

The STIS Office is pleased to announce the beginning of a new service designed to make technological information, in the form of patents, more easily accessible to the public. Small and medium-sized businesses, research institutes, industry associations and other organizations will be able to benefit from this service by being provided with this free-of-charge patent technology search service. The objective of this service is to identify patents which will assist you to:

- * avoid duplication of research and development;
- * develop a new and improved product/process;
- * find a solution to a specific technical problem;
- * locate sources of know-how or licensing opportunities; and
- * monitor activities of competitors.

The Intellectual Property Directorate is also supplying the STIS Office with copies of their publications which include titles such as:

- * Industrial Design: Questions and Answers
- * Industrial Designs: An Introduction
- * Trade Marks: Questions and Answers
- * Copyright: Questions and Answers
- * Patents: Questions and Answers

For more information on patents please read the reverse side.

DATABASE INFO

The CONFERENCE PAPERS INDEX database includes the subject areas of the life sciences, chemistry, physical sciences, geosciences and engineering. It provides information on current research and development from papers that are presented at more than 1,000 major scientific and technical meetings held yearly.

GENERAL

STIS has received an update for the CD-ROM CCINFodisc published by the Canadian Centre for Occupational Health and Safety. For MSDS information contact STIS.

For further information contact: Diane Buhay at Mount Allison University Library, STIS, 364-2569

WHAT IS A CANADIAN PATENT?

A Canadian patent is a document by which the government grants an inventor the right to exclude others from making, using or selling an invention within Canada for a period of 17 years. The inventor, for his or her part, must fully describe the invention. This disclosure facilitates the dissemination of technological information and promotes the use of the invention.

WHAT TYPES OF SUBJECT MATTER ARE DEALT WITH BY COPYRIGHT, INDUSTRIAL DESIGN AND TRADE MARKS RATHER THAN BY PATENTS?

Copyright deals with original literary, musical, dramatic and artistic works. The term of a copyright is for the life of the author plus 50 years. Industrial design deals with the appearance or visual design aspects of any article of manufacture. This includes any shape, feature or ornamentation, the object of which is an aesthetic effect. Functional or useful features may not be the subject of an industrial design. The term of an industrial design is for five years and is renewable for an additional five years only. A trade mark is a word, symbol or picture, or any combination thereof, used to distinguish the goods or services of a person or organization from the goods or services of others in the marketplace. The term of a trade mark is for 15 years and is renewable every 15 years, indefinitely.

WHAT IS A PATENTABLE INVENTION?

A patentable invention is any new or useful process, machine, method of manufacture or composition of matter, or any new and useful improvement thereof, which is not obvious to someone skilled in the particular field (i.e., which shows "inventive ingenuity").

WHAT SUBJECT MATTER IS UNPATENTABLE?

Among the things which are not normally patentable are an improvement to a known device which would be obvious to a person skilled in the art, a principle, a recipe, a design, a computer programme, an idea or a process (or the product of a process) that depends entirely on a person's skill and leads to an ornamental effect.

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 4

July 7, 1989

CD-ROM PRODUCTS

One of the newest ways to access information is by searching CD-ROMs. CD-ROMs (compact disk - read only memory) are optical disks similar in appearance to compact audio disks. A CD-ROM can hold the same amount of information as approximately 250,000 pages of text or The Encyclopaedia Britannica. The information is stored on the disk by a mechanical means and the information is read by a laser and interpreted by a microcomputer. Some of the databases which I have discussed in the past are available in the CD-ROM format.

For the next 2 months, in addition to the CCINFODisc, STIS will have CD-ROM products on the ENVIRONMENT and the EARTH SCIENCES.

The CD-ROM product CCINFODisc is made up of many databases including the following:

TRADE NAMES - information on chemical trade name products based on manufacturer/supplier material safety data sheets.

CHEMINFO - information on pure chemicals, natural substances and mixtures which result from industrial processes.

PEST MANAGEMENT RESEARCH INFORMATION SYSTEM - covers many aspects of pest control product development.

If you are interested in chemical, environmental or geological information or would just like a demonstration please call 364-2569.

DATABASE INFO

The AQUATIC SCIENCES AND FISHERIES ABSTRACT database covers the science, technology and management of marine and freshwater environments and resources. Coverage includes fisheries (harvesting, processing, and marketing), fish products, ocean engineering, and marine technology, as well as related subjects.

NEW PUBLICATION!

Government Business Opportunities is a bilingual weekly which provides information on Federal procurement opportunities as well as General Contract Award Notices.

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The following represent sample records from the Aquatic Sciences and Fisheries Abstracts:

TITLE: Aquaculture and the Salmon Genetics Research Program.
AUTHOR: Friars, G.W.
JOURNAL: BULL. AQUACULT. ASSOC. CAN. BULL. ASSOC. AQUAC. CAN., no. 88-1, pp. 30-33, (1988).

ABSTRACT:

The Salmon Genetics Research Program applies genetics and related sciences to the breeding of Atlantic salmon (*Salmo salar*). Jointly funded by the federal Department of Fisheries and Oceans and the Atlantic Salmon Federation, it was initiated in 1974 to examine the influence of genetics and environment on salmon growth and development in fresh water, migration to sea, growth at sea and subsequent return. The program is in the penultimate year of its third five-year contract. In the following article Gerry Friars, Chief Scientist with the program, explains the relevance of their work to aquaculture.

TITLE: Moving it live: Fresh fish from farm to processor.
AUTHOR: Doherty, T.J.
JOURNAL: CAN. AQUACULT., vol. 4, no. 1, pp. 40-44, (1988).
ABSTRACT:

The author discusses the advantages of transporting live British Columbia salmon (*Oncorhynchus*) from fish farms to markets, using converted seiners and other craft modified to navigate around the farms.

TITLE: Study on the mass-cultivation technique of feed.
AUTHOR: Ito, S.; Naoe, S.
JOURNAL: CAN. TRANSL. FISH. AQUAT. SCI., no. 5359, 1988., 25 pp
DOC TYPE: Book
REPORT NO.: ISSN 0704-3716
ABSTRACT:

Since 1965, research studies related to the mass-culture of feed, which is fundamental in the artificial seed-collection of bivalve, have been in progress. Rearing-tests of the free-swimming larvae of bivalves in different species were conducted with the use of feeds: feed which are becoming easily cultivated in large quantity, and feed which can be easily obtained from the manufacturer. The effectiveness of the feeds and their problems were examined. (Available from: Canada Inst. Sci. Tech. Inf. Natl. Res. Counc., Ottawa, Ont. K1A 0S2)

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 5

August 25, 1989

DATABASE INFO

The TEXTILE TECHNOLOGY DIGEST database covers the years 1978 to present. It provides international coverage of the textile literature. More than 650 journals, as well as books, theses, patents, standards, conferences and directories are scanned in order to provide references. Coverage includes the many aspects of textile production, processing and the management of these operations.

Subject coverage includes:

- * testing and measurement
- * laundering, drycleaning, care labelling
- * apparel design and production
- * dyeing and finishing of textiles
- * industrial fabrics, surgical products, home furnishings
- * geotextiles, composites, ropes
- * polymers, manmade fibres, natural fibres
- * conservation and preservation of textiles
- * machinery and parts for mills and labs
- * home economics, consumerism, retailing
- * chemicals, dyes, resins, catalysts
- * pollution, carcinogens, safety, energy
- * marketing, quality control, statistics
- * yarn and fabric manufacturing techniques
- * conferences, forecasts, education, research
- * physics, biology, chemistry, general sciences
- * management, industrial engineering, unions

For further information on this database and other databases contact Diane Buhay at telephone (506) 364-2569 or fax (506) 364-2617 or in person at the Ralph Pickard Bell Library at Mount Allison University.

PRESS RELEASE

MOUNT ALLISON UNIVERSITY INITIATES INFORMATION TRANSFER PROGRAM

SACKVILLE (NB) - March 1989 - The Ralph Pickard Bell Library at Mount Allison University in Sackville will receive federal / provincial assistance to develop an effective Information Transfer Program which will directly benefit the business communities of New Brunswick.

The announcement was made today by the Hon. Elmer MacKay, Minister responsible for the Atlantic Canada Opportunities Agency, and Marilyn Trenholme, M.L.A. for Tantramar, on behalf of Al Lacey, New Brunswick's Minister of Commerce and Technology.

According to the university's head librarian, Tom Eadie, the Information Transfer Program will require the purchase of a facsimile machine and a microcomputer complete with modem and CD-ROM Reader, plus 12 months salary for a new library information transfer coordinator.

"Through this program, Mount Allison University proposes to improve the effectiveness of the university in transferring scientific and technological information from the library to entrepreneurs, innovators and researchers throughout New Brunswick," said Mr. Eadie. "This initiative is designed to strengthen the cooperative network of resource sharing which already exists between other universities, the public and libraries around the province."

Mr. Eadie said the library will place special emphasis on assisting the private sector in accessing scientific and technological information. He also stated that the university anticipates that the program will result in establishing a library service providing business with access to international, online electronic data bases.

"The universities in this province are playing a major role in creating the technology information transfer network in New Brunswick," said Mr. MacKay. "Mount Allison is a necessary and welcome addition to this valuable network."

"This initiative is part of an overall development plan for the library to provide a greater sharing of resources within the province and develop services targeted at the business community," said Mrs. Trenholme.

Mount Allison University is a coeducational, residential university, restricted in enrolment to approximately 1,700 undergraduate students. Both general and honours programs are offered in the Arts and Sciences, and a certificate program is offered in Engineering, Secretarial Studies and Bilingualism. The Ralph Pickard Bell Library opened in 1970 to serve both the academic and business communities as well as the general public. It houses 400,000 volumes and seats 500.

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The Ministry of State for Science and Technology is a signatory to the Canada/New Brunswick Subsidiary Agreement on Industrial Innovation and Technology Development which is administered by ACOA and the Department of Commerce and Technology.

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*Encyclopedia of
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DEMO DISK AVAIL.
MEMORY REQUIRED: 256 k
PRICE INFORMATION: DISK \$695.00
MANUAL AVAIL. WARRANTY INCL.
ANNOTATION: Relational data base applications generator, menu-driven format allows the user to create personalized data bases, format reports & output, & create user menus with automatic documentation at the user's specifications, designed with the untrained user in mind & provides a query language for generation of reports using English commands. Has the ability to access up to one billion records with up to 100 fields per record. Reports can be generated from six files at one time.
PUBLISHER: Morgan Computing Co., Inc.
ADDRESS: P.O. Box 112730
Carrollton, TX 75011
TELEPHONE: 214-245-4763

TITLE: The HyperCard
NO. OF PARTS: 4 disks
COMPATIBLE HARDWARE: Apple Macintosh Plus, Macintosh SE, Mac II
MEMORY REQUIRED: 1024k
PRICE INFORMATION: \$49.00
ANNOTATION: Graphically based data management application. The graphic interface enables users to easily organize information without having to learn a script language. Package includes a number of ready-made templates such as: area code listings, address book, date book, phone directory, file index, a list of quotations, & HyperCalc - a math program. These templates can be used for entering informations or as foundations for user's own designs. Employs the concept of HyperText - text, images, & data are linked to other text, images, & data by buttons.
PUBLISHER: Apple Computer, Inc.
ADDRESS: 520 Madison Ave., 34th Flr.
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TELEPHONE: 212-308-8500
ORDERING INFORMATION: 130 Parkway Plaza
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704-525-8120

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Volume 1 Number 3

June 9, 1989

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SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 4

July 7, 1989

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AUTHOR: Friars, G.W.

JOURNAL: BULL. AQUACULT. ASSOC. CAN. BULL. ASSOC. AQUAC. CAN., no. 88-1, pp. 30-33, (1988).

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DOC TYPE: Book

REPORT NO.: ISSN 0704-3716

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Volume 1 Number 5

August 25, 1989

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Subject coverage includes:

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- * laundering, drycleaning, care labelling
- * apparel design and production
- * dyeing and finishing of textiles
- * industrial fabrics, surgical products, home furnishings
- * geotextiles, composites, ropes
- * polymers, manmade fibres, natural fibres
- * conservation and preservation of textiles
- * machinery and parts for mills and labs
- * home economics, consumerism, retailing
- * chemicals, dyes, resins, catalysts
- * pollution, carcinogens, safety, energy
- * marketing, quality control, statistics
- * yarn and fabric manufacturing techniques
- * conferences, forecasts, education, research
- * physics, biology, chemistry, general sciences
- * management, industrial engineering, unions

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*Georges Bank, 1987

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OPERATING SYSTEM(S) REQUIRED: MS-DOS 2.X, 3.X
LANGUAGE(S): C
DEMO DISK AVAIL.
MEMORY REQUIRED: 256 k
PRICE INFORMATION: DISK \$695.00
MANUAL AVAIL. WARRANTY INCL.
ANNOTATION: Relational data base applications generator, menu-driven format allows the user to create personalized data bases, format reports & output, & create user menus with automatic documentation at the user's specifications, designed with the untrained user in mind & provides a query language for generation of reports using English commands. Has the ability to access up to one billion records with up to 100 fields per record. Reports can be generated from six files at one time.
PUBLISHER: Morgan Computing Co., Inc.
ADDRESS: P.O. Box 112730
Carrollton, TX 75011
TELEPHONE: 214-245-4763

TITLE: The HyperCard
NO. OF PARTS: 4 disks
COMPATIBLE HARDWARE: Apple Macintosh Plus, Macintosh SE, Mac II
MEMORY REQUIRED: 1024k
PRICE INFORMATION: \$49.00
ANNOTATION: Graphically based data management application. The graphic interface enables users to easily organize information without having to learn a script language. Package includes a number of ready-made templates such as: area code listings, address book, date book, phone directory, file index, a list of quotations, & HyperCalc - a math program. These templates can be used for entering informations or as foundations for user's own designs. Employs the concept of HyperText - text, images, & data are linked to other text, images, & data by buttons.
PUBLISHER: Apple Computer, Inc.
ADDRESS: 520 Madison Ave., 34th Flr.
New York, NY 10022
TELEPHONE: 212-308-8500
ORDERING INFORMATION: 130 Parkway Plaza
Charlotte, NC 282105
704-525-8120

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 3

June 9, 1989

NEW SERVICE !

The STIS Office is pleased to announce the beginning of a new service designed to make technological information, in the form of patents, more easily accessible to the public. Small and medium-sized businesses, research institutes, industry associations and other organizations will be able to benefit from this service by being provided with this free-of-charge patent technology search service. The objective of this service is to identify patents which will assist you to:

- * avoid duplication of research and development;
- * develop a new and improved product/process;
- * find a solution to a specific technical problem;
- * locate sources of know-how or licensing opportunities; and
- * monitor activities of competitors.

The Intellectual Property Directorate is also supplying the STIS Office with copies of their publications which include titles such as:

- * Industrial Design: Questions and Answers
- * Industrial Designs: An Introduction
- * Trade Marks: Questions and Answers
- * Copyright: Questions and Answers
- * Patents: Questions and Answers

For more information on patents please read the reverse side.

DATABASE INFO

The CONFERENCE PAPERS INDEX database includes the subject areas of the life sciences, chemistry, physical sciences, geosciences and engineering. It provides information on current research and development from papers that are presented at more than 1,000 major scientific and technical meetings held yearly.

GENERAL

STIS has received an update for the CD-ROM CCINFodisc published by the Canadian Centre for Occupational Health and Safety. For MSDS information contact STIS.

For further information contact: Diane Buhay at Mount Allison University Library, STIS, 364-2569

WHAT IS A CANADIAN PATENT?

A Canadian patent is a document by which the government grants an inventor the right to exclude others from making, using or selling an invention within Canada for a period of 17 years. The inventor, for his or her part, must fully describe the invention. This disclosure facilitates the dissemination of technological information and promotes the use of the invention.

WHAT TYPES OF SUBJECT MATTER ARE DEALT WITH BY COPYRIGHT, INDUSTRIAL DESIGN AND TRADE MARKS RATHER THAN BY PATENTS?

Copyright deals with original literary, musical, dramatic and artistic works. The term of a copyright is for the life of the author plus 50 years. Industrial design deals with the appearance or visual design aspects of any article of manufacture. This includes any shape, feature or ornamentation, the object of which is an aesthetic effect. Functional or useful features may not be the subject of an industrial design. The term of an industrial design is for five years and is renewable for an additional five years only. A trade mark is a word, symbol or picture, or any combination thereof, used to distinguish the goods or services of a person or organization from the goods or services of others in the marketplace. The term of a trade mark is for 15 years and is renewable every 15 years, indefinitely.

WHAT IS A PATENTABLE INVENTION?

A patentable invention is any new or useful process, machine, method of manufacture or composition of matter, or any new and useful improvement thereof, which is not obvious to someone skilled in the particular field (i.e., which shows "inventive ingenuity").

WHAT SUBJECT MATTER IS UNPATENTABLE?

Among the things which are not normally patentable are an improvement to a known device which would be obvious to a person skilled in the art, a principle, a recipe, a design, a computer programme, an idea or a process (or the product of a process) that depends entirely on a person's skill and leads to an ornamental effect.

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 4

July 7, 1989

CD-ROM PRODUCTS

One of the newest ways to access information is by searching CD-ROMs. CD-ROMs (compact disk - read only memory) are optical disks similar in appearance to compact audio disks. A CD-ROM can hold the same amount of information as approximately 250,000 pages of text or The Encyclopaedia Britannica. The information is stored on the disk by a mechanical means and the information is read by a laser and interpreted by a microcomputer. Some of the databases which I have discussed in the past are available in the CD-ROM format.

For the next 2 months, in addition to the CCINFODisc, STIS will have CD-ROM products on the ENVIRONMENT and the EARTH SCIENCES.

The CD-ROM product CCINFODisc is made up of many databases including the following:

TRADE NAMES - information on chemical trade name products based on manufacturer/supplier material safety data sheets.

CHEMINFO - information on pure chemicals, natural substances and mixtures which result from industrial processes.

PEST MANAGEMENT RESEARCH INFORMATION SYSTEM - covers many aspects of pest control product development.

If you are interested in chemical, environmental or geological information or would just like a demonstration please call 364-2569.

DATABASE INFO

The AQUATIC SCIENCES AND FISHERIES ABSTRACT database covers the science, technology and management of marine and freshwater environments and resources. Coverage includes fisheries (harvesting, processing, and marketing), fish products, ocean engineering, and marine technology, as well as related subjects.

NEW PUBLICATION!

Government Business Opportunities is a bilingual weekly which provides information on Federal procurement opportunities as well as General Contract Award Notices.

For further information contact: Diane Buhay at Mount Allison University Library, STIS, 364-2569

The following represent sample records from the Aquatic Sciences and Fisheries Abstracts:

TITLE: Aquaculture and the Salmon Genetics Research Program.
AUTHOR: Friars, G.W.
JOURNAL: BULL. AQUACULT. ASSOC. CAN. BULL. ASSOC. AQUAC. CAN., no. 88-1, pp. 30-33, (1988).

ABSTRACT:

The Salmon Genetics Research Program applies genetics and related sciences to the breeding of Atlantic salmon (*Salmo salar*). Jointly funded by the federal Department of Fisheries and Oceans and the Atlantic Salmon Federation, it was initiated in 1974 to examine the influence of genetics and environment on salmon growth and development in fresh water, migration to sea, growth at sea and subsequent return. The program is in the penultimate year of its third five-year contract. In the following article Gerry Friars, Chief Scientist with the program, explains the relevance of their work to aquaculture.

TITLE: Moving it live: Fresh fish from farm to processor.
AUTHOR: Doherty, T.J.
JOURNAL: CAN. AQUACULT., vol. 4, no. 1, pp. 40-44, (1988).
ABSTRACT:

The author discusses the advantages of transporting live British Columbia salmon (*Oncorhynchus*) from fish farms to markets, using converted seiners and other craft modified to navigate around the farms.

TITLE: Study on the mass-cultivation technique of feed.
AUTHOR: Ito, S.; Naoe, S.
JOURNAL: CAN. TRANSL. FISH. AQUAT. SCI., no. 5359, 1988., 25 pp
DOC TYPE: Book
REPORT NO.: ISSN 0704-3716
ABSTRACT:

Since 1965, research studies related to the mass-culture of feed, which is fundamental in the artificial seed-collection of bivalve, have been in progress. Rearing-tests of the free-swimming larvae of bivalves in different species were conducted with the use of feeds: feed which are becoming easily cultivated in large quantity, and feed which can be easily obtained from the manufacturer. The effectiveness of the feeds and their problems were examined. (Available from: Canada Inst. Sci. Tech. Inf. Natl. Res. Council., Ottawa, Ont. K1A 0S2)

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 3

August 23, 1989

DATABASE INFO

The TEXTILE TECHNOLOGY DIGEST database covers the years 1978 to present. It provides international coverage of the textile literature. More than 650 journals, as well as books, theses, patents, standards, conferences and directories are scanned in order to provide references. Coverage includes the many aspects of textile production, processing and the management of these operations.

Subject coverage includes:

- * testing and measurement
- * laundering, drycleaning, care labelling
- * apparel design and production
- * dyeing and finishing of textiles
- * industrial fabrics, surgical products, home furnishings
- * geotextiles, composites, ropes
- * polymers, manmade fibres, natural fibres
- * conservation and preservation of textiles
- * machinery and parts for mills and labs
- * home economics, consumerism, retailing
- * chemicals, dyes, resins, catalysts
- * pollution, carcinogens, safety, energy
- * marketing, quality control, statistics
- * yarn and fabric manufacturing techniques
- * conferences, forecasts, education, research
- * physics, biology, chemistry, general sciences
- * management, industrial engineering, unions

For further information on this database and other databases contact Diane Buhay at telephone (506) 364-2569 or fax (506) 364-2617 or in person at the Ralph Pickard Bell Library at Mount Allison University.

PRESS RELEASE

MOUNT ALLISON UNIVERSITY INITIATES INFORMATION TRANSFER PROGRAM

SACKVILLE (NB) - March 1989 - The Ralph Pickard Bell Library at Mount Allison University in Sackville will receive federal / provincial assistance to develop an effective Information Transfer Program which will directly benefit the business communities of New Brunswick.

The announcement was made today by the Hon. Elmer MacKay, Minister responsible for the Atlantic Canada Opportunities Agency, and Marilyn Trenholme, M.L.A. for Tantramar, on behalf of Al Lacey, New Brunswick's Minister of Commerce and Technology.

According to the university's head librarian, Tom Eadie, the Information Transfer Program will require the purchase of a facsimile machine and a microcomputer complete with modem and CD-ROM Reader, plus 12 months salary for a new library information transfer coordinator.

"Through this program, Mount Allison University proposes to improve the effectiveness of the university in transferring scientific and technological information from the library to entrepreneurs, innovators and researchers throughout New Brunswick," said Mr. Eadie. "This initiative is designed to strengthen the cooperative network of resource sharing which already exists between other universities, the public and libraries around the province."

Mr. Eadie said the library will place special emphasis on assisting the private sector in accessing scientific and technological information. He also stated that the university anticipates that the program will result in establishing a library service providing business with access to international, online electronic data bases.

"The universities in this province are playing a major role in creating the technology information transfer network in New Brunswick," said Mr. MacKay. "Mount Allison is a necessary and welcome addition to this valuable network."

"This initiative is part of an overall development plan for the library to provide a greater sharing of resources within the province and develop services targeted at the business community," said Mrs. Trenholme.

Mount Allison University is a coeducational, residential university, restricted in enrolment to approximately 1,700 undergraduate students. Both general and honours programs are offered in the Arts and Sciences, and a certificate program is offered in Engineering, Secretarial Studies and Bilingualism. The Ralph Pickard Bell Library opened in 1970 to serve both the academic and business communities as well as the general public. It houses 400,000 volumes and seats 500.

Mount Allison University will receive a total of \$62,515 in assistance under the Canada/New Brunswick Subsidiary Agreement on Industrial Innovation and Technology Development. The federal share is \$43,760 and the provincial share is \$18,755.

The Ministry of State for Science and Technology is a signatory to the Canada/New Brunswick Subsidiary Agreement on Industrial Innovation and Technology Development which is administered by ACOA and the Department of Commerce and Technology.

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 2

April 17, 1989

CURRENT AWARENESS

Let STIS make it easier to keep current with the latest developments in your field! A current awareness service, or more commonly referred to as SDI (Selective Dissemination of Information) Service, is now available through the STIS office.

SDI service is an effective method for receiving the most current information on topics of interest. The SDI service can be applied on a regular basis, e.g. monthly, weekly, daily, to greater than 100 computerized databases. A strategy (profile) is developed that will retrieve data tailored to your specific needs. This service is ideal for following timely issues. The following is a sample of the databases for which this service is offered:

Agriculture
AGRIBUSINESS

Chemistry
ANALYTICAL ABSTRACTS

Computer Technology
MICROCOMPUTER INDEX

Engineering
INSPEC

Medicine and Biosciences
BIOSIS PREVIEWS

Patents and Trademarks
WORLD PATENTS INDEX

To provide you with automatic updates please contact the STIS Office.

DATABASE INFO

The MICROCOMPUTER SOFTWARE GUIDE database contains current information on most software programmes available in North America. Each record includes a brief description, as well as technical specifications and ordering details. Included are software for the following systems: Apple II family, Apple Macintosh, Atari, Commodore, Hewlett-Packard, IBM PC, Radio Shack, Texas Instruments, UNIX, and Xerox Micros.

NEW TITLES

*Encyclopedia of Physical Science and Technology, 1987

*Georges Bank, 1987

For further information contact: Diane Buhay at Mount Allison University Library, STIS, 364-2569

The following records are samples of the type of information which is available in the MICROCOMPUTER SOFTWARE GUIDE database:

TITLE: Formula 4
VERSION: 1.16
COMPATIBLE HARDWARE: IBM PC, PC XT, PC AT
OPERATING SYSTEM(S) REQUIRED: MS-DOS 2.X, 3.X
LANGUAGE(S): C
DEMO DISK AVAIL.
MEMORY REQUIRED: 256 k
PRICE INFORMATION: DISK \$695.00
MANUAL AVAIL. WARRANTY INCL.
ANNOTATION: Relational data base applications generator, menu-driven format allows the user to create personalized data bases, format reports & output, & create user menus with automatic documentation at the user's specifications, designed with the untrained user in mind & provides a query language for generation of reports using English commands. Has the ability to access up to one billion records with up to 100 fields per record. Reports can be generated from six files at one time.
PUBLISHER: Morgan Computing Co., Inc.
ADDRESS: P.O. Box 112730
Carrollton, TX 75011
TELEPHONE: 214-245-4763

TITLE: The HyperCard
NO. OF PARTS: 4 disks
COMPATIBLE HARDWARE: Apple Macintosh Plus, Macintosh SE, Mac II
MEMORY REQUIRED: 1024k
PRICE INFORMATION: \$49.00
ANNOTATION: Graphically based data management application. The graphic interface enables users to easily organize information without having to learn a script language. Package includes a number of ready-made templates such as: area code listings, address book, date book, phone directory, file index, a list of quotations, & HyperCalc - a math program. These templates can be used for entering informations or as foundations for user's own designs. Employs the concept of HyperText - text, images, & data are linked to other text, images, & data by buttons.
PUBLISHER: Apple Computer, Inc.
ADDRESS: 520 Madison Ave., 34th Flr.
New York, NY 10022
TELEPHONE: 212-308-8500
ORDERING INFORMATION: 130 Parkway Plaza
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704-525-8120

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 3

June 9, 1989

NEW SERVICE I

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Mount Allison University
Library, STIS, 364-2569

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SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 4

July 7, 1989

CD-ROM PRODUCTS

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CHEMINFO - information on pure chemicals, natural substances and mixtures which result from industrial processes.

PEST MANAGEMENT RESEARCH INFORMATION SYSTEM - covers many aspects of pest control product development.

If you are interested in chemical, environmental or geological information or would just like a demonstration please call 364-2569.

DATABASE INFO

The AQUATIC SCIENCES AND FISHERIES ABSTRACT database covers the science, technology and management of marine and freshwater environments and resources. Coverage includes fisheries (harvesting, processing, and marketing), fish products, ocean engineering, and marine technology, as well as related subjects.

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ABSTRACT:

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The author discusses the advantages of transporting live British Columbia salmon (*Oncorhynchus*) from fish farms to markets, using converted seiners and other craft modified to navigate around the farms.

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DOC TYPE: Book
REPORT NO.: ISSN 0704-3716
ABSTRACT:

Since 1965, research studies related to the mass-culture of feed, which is fundamental in the artificial seed-collection of bivalve, have been in progress. Rearing-tests of the free-swimming larvae of bivalves in different species were conducted with the use of feeds: feed which are becoming easily cultivated in large quantity, and feed which can be easily obtained from the manufacturer. The effectiveness of the feeds and their problems were examined. (Available from: Canada Inst. Sci. Tech. Inf. Natl. Res. Council, Ottawa, Ont. K1A 0S2)

SCIENCE AND TECHNOLOGY INFORMATION SERVICE UPDATE

Volume 1 Number 5

August 25, 1989

DATABASE INFO

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Subject coverage includes:

- * testing and measurement
- * laundering, drycleaning, care labelling
- * apparel design and production
- * dyeing and finishing of textiles
- * industrial fabrics, surgical products, home furnishings
- * geotextiles, composites, ropes
- * polymers, manmade fibres, natural fibres
- * conservation and preservation of textiles
- * machinery and parts for mills and labs
- * home economics, consumerism, retailing
- * chemicals, dyes, resins, catalysts
- * pollution, carcinogens, safety, energy
- * marketing, quality control, statistics
- * yarn and fabric manufacturing techniques
- * conferences, forecasts, education, research
- * physics, biology, chemistry, general sciences
- * management, industrial engineering, unions

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The Ministry of State for Science and Technology is a signatory to the Canada/New Brunswick Subsidiary Agreement on Industrial Innovation and Technology Development which is administered by ACOA and the Department of Commerce and Technology.